4. Alignment and Adjustment

4-1. Mechanism Alignment

- Refer to mechanical manual “DE-10 (AD68-00420H)”for the adjustment and checks of mechanism section.
- The location of test point (See Fig.1)

Test Point:
PB RF - Pin 11 of CN452
Head Switching Trigger - Pin 9 of CN452

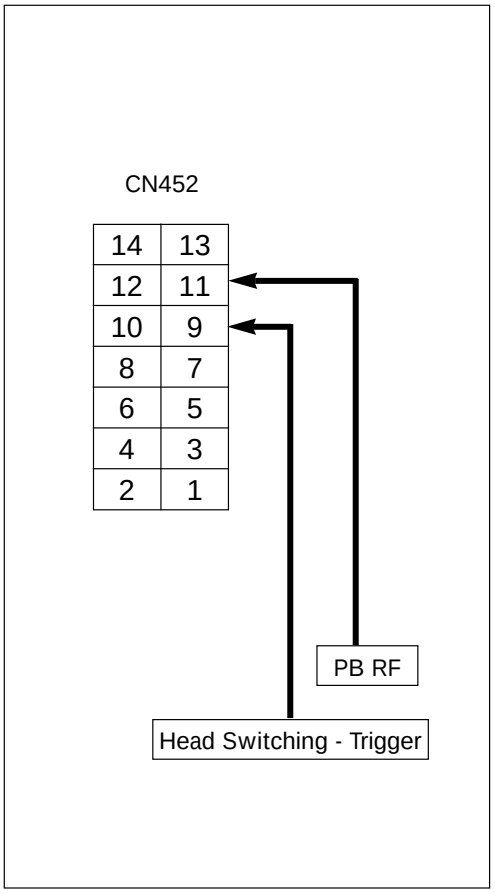


Fig. 1 Test point

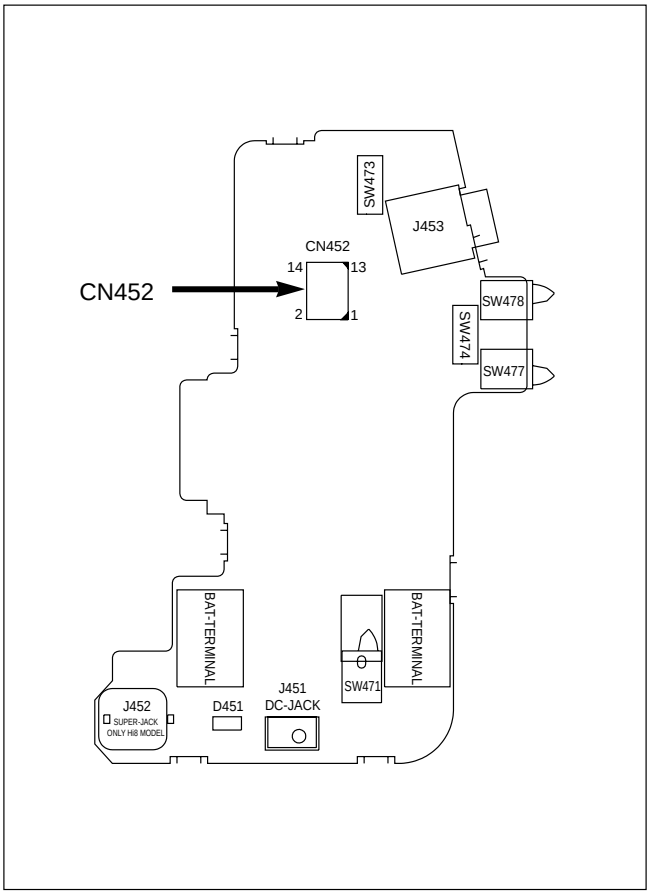
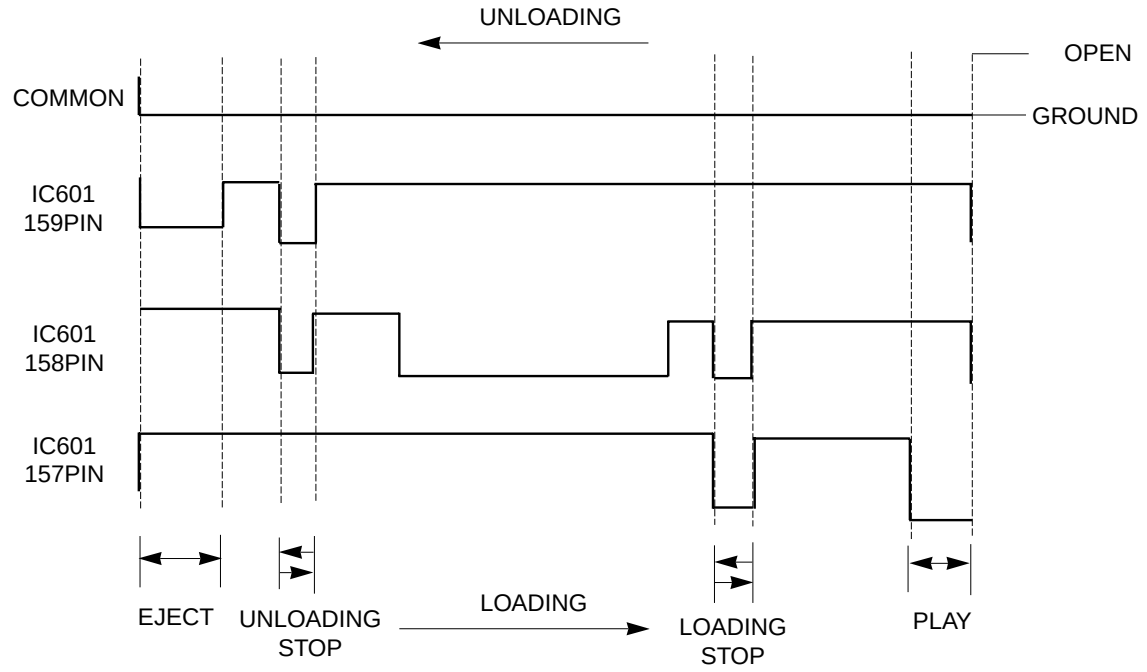


Fig. 2 Test location of test point (Rear Board)



POSITION	IC601 159PIN	IC601 158PIN	IC601 157PIN	ACTION MODE
EJECT	L	H	H	EJECT
UNLOADING STOP	L	L	H	UNLOADING STOP
LOADING STOP	H	L	L	LOADING STOP
PB	H	H	L	PLAY, FF, REW, STILL....

4-2. Camera Section Adjustment

Note :

1. This system has :

   1) EEPROM to store the confirmed adjustment data.
   2) DSP (Digital Signal Process ; ICP01 - Main board) chip to process the signal of camera parts.
   3) One test point for the frequency adjustment of DSP main clock (P. CLK).
   4) The special mode for camera adjustment using the remote controller.

2. Keep in mind :

   1) All adjustment steps should be performed using the remote controller.

4-2-1 Preparations

1. Equipment to be used :

1) DC Power supply
2) Oscilloscope
3) Frequency counter
4) Vectorscope
5) Waveform monitor
6) Color monitor or TV
7) Various charts
   - Color bar chart
   - Gray-scale chart, etc...

2. Composition of camera P.C.Boards :

1) Main PCB 2) CCD PCB
3) CVF PCB 4) EVF PCB
5) LCD PCB

3. Adjustment preparations :

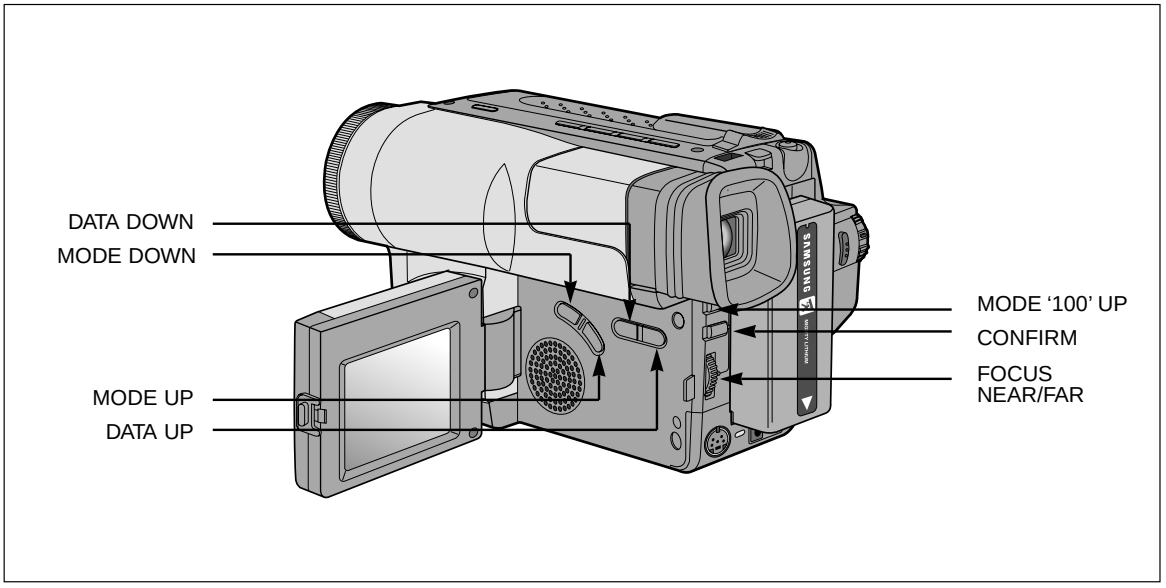
1) Some buttons of set is used as a camera adjust tool.
2) Press the confirm button when each manual adjustment step is completed to write the adjustment data to the EEPROM.
3) After each adjustment step is completed, OSD shows “OK!”.
4) To cancel the adjustment mode, remove the power source.

4. Remote control :

The following is a chart explaining the use of each button :

Using Button	Adjustment
ENTER (CONFIRM)	Data store after finishing adjustment by DATA UP/DOWN button.
P.AE (DATA UP) DSE (DATA DOWN)	When change data value of adjust state.
BLC (MODE UP) FADE (MODE DOWN) MENU ON/OFF (MODE UP ‘100’)	Mode change.(One step or 100 step)
MANUAL FOCUS RING (NEAR/FAR)	Manual focus adjustment.
ZOOM TELE ZOOM WIDE	1) Move the zoom position of lens. 2) Semi-Auto lens adjustment.

Some buttons are changed for Service Adjustment.



Note : In service adjustment mode, button names are different from those in customer camera function control mode. EX) ENTER button is the same as confirm.

5. How to get into service "**ADJUST**" mode

STEP 1

1. Remove the lithium battery from the camcorder.
2. Connect the power source (battery/ DC cable).
3. Eject the tape if it is in the unit.
4. Set the power switch of the camcorder to "CAMERA" position.

STEP 2

1. Press and hold the "EJECT" button and DATE/TIME button on the camcorder at the same time for more than 5 seconds. Then unit goes into service mode.

STEP 3

0DF.
ERR : A0 EVR : A0

Note : When "XX XX" is shown in service adjustment procedures, this indicates variable values.

"CAMERA ADJUST MODE, EEPROM ADDRESS SEQUENCE & DATA OF PAGE 0"

CAMERA AUTO ADJUST MODE					CONTENT							
0DF	A0	-	-	-	;EEPROM -TABLE -INITIAL (CAMERA ONLY:'99'+CONFIRM =EXCEPT(#061~#067,#680~#7FF),"							
0CD	FF	-	-	-	;HALL AUTO ADJUST 'AA'=ALL DATA INITIAL)							
0CE	FF	-	-	-	;IRIS AUTO ADJUST							
0CF	FF	-	-	-	;W/B AUTO ADJUST							
0D0	FF	-	-	-	;LENS AUTO ADJUST(WARNNING! DON°ØT'S USE WITHOUT AN INFINITE COLLIMATOR)							
0D6	FF	-	-	-	;ZOOM VR CENTER ADJT							
0DB	FF	-	-	-	;AGC AUTO ADJUST(NORMALLY NOT USED)							
0DE	FF	-	-	-	;3M LENS AUTO ADJUST AT SERVICE FIELD(DISTANCE :3M +/- 1Cm)							
	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
000	00	01	02	03	; 00=NTSC HI8, 01=NTSC NORMAL, 02=PAL HI8, 03= PAL NORMAL							
001	C6	46	C6	46	; DIS MODEL="C6" , NON-DIS MODEL="46"							
	46		46		NON-DIS MODEL="46", DIS MODEL="C6" ,							
002	67	-	-	-	; @IRIS CONTROL-LOW							
003	A5	-	-	-	; @IRIS CONTROL-HIGH							
004	70	-	-	-	; @P.CLK PWM-HIGH (ADCLK ;PAL HI8:14.250MHz, PAL-normal: 9.494800MHz NTSC:9.534964MHz)							
005	08	-	-	-	; UPD16879 INIT 4th							
006	44	-	-	-	; UPD16879 INIT 6th focus							
007	44	-	-	-	; UPD16879 INIT 7th zoom							
008	03	-	-	-	; CDS F-REG(f1,f0) CAM : BIT0:f0,BIT1:f1							
009	B0	-	-	-	; CDS F-REG(f9,f2) CAM ;PGA GAIN -HIGH(0.00dB~ 30.0dB)					CCD WHITE DEFECT DETECT AGC		
00A	75	-	-	-	; CDS G-REG CAM ;DAC1 INPUT(HALL REFERENCE CONTROL;0V~3.0V)							
00B	3D	-	-	-	; CDS H-REG CAM ;DAC2 INPUT(HALL GAIN CONTROL;0V~3.0V)							
00C	85	-	-	-	; CDS E-R(e1,e0),J-R(j0),M-R;D0:e0,D1:e1,D2:j0(CAM),D4:e0,D5:e1,D6:j0(VCR),D7:cds-rev='1'							
00D	50	-	-	-	; CDS F-REG(f9,f2) VCR COLOR ;PGA GAIN HI8 ME							
00E	02	-	-	-	; CDS IC A REG AT VCR MODE							
00F	1C	-	-	-	; CDS TE-R (D0:T-R D9 set='0'=offset=E-R,'1'=offset=#010(d0~d5: add111: d4~d9),D1:T-R							
010	30	-	-	-	; CDS OFFSET (#00F: D0='1' OFFSET VALUE)					d3,D2D3=C0C1(CAM), D4D5=C0C1(VTR)		
011	00	00	01	01	; VNTPAL2_H ccd vertical effective line							
012	F7	F6	23	23	; VNTPAL2_L ccd vertical effective line							
013	01	00	01	00	; HNTPAL2_H ccd horizental effective pixel							
014	80	FF	78	FA	; HNTPAL2_L ccd horizental effective pixel							
015	D2	D2	D2	2D	; PHG hg phase : DZOOM - EEPROM #296 CONTROL							
016	01	-	-	-	; Mpoint_H mirror point h : MIRROR- EEPROM #336							
017	74	-	-	-	; Mpoint_L mirror point h : MIRROR- EEPROM #337							
018	A0	-	D0	D0	; AE TARGET-LOW BYTE (NON-DIS)							
019	05	-	05	05	; AE TARGET-HIGH BYTE (NON-DIS)							
01A	70	-	-	-	; DIS AE TARGTE LOW							
01B	0B	0B	0B	0B	; DIS AE TARGET HIGH							
01C	80	-	-	-	; FLEX ZONE AE TARGET PERCENT(80H= AUTO TARGET)							
01D	B0	B0	B0	88	; SPOT LIGHT AE TARGET PERCENT(DIS: B0 , NON-DIS: 88)							
01E	98	98	98	98	; BLC ON AE TARGET PERCENT(DIS: 80 , NON-DIS: 77)							
01F	98	98	98	98	; SAND SNOW AE TARGET PERCENT(DIS: 90 , NON-DIS: 88)							
020	60	-	-	-	; NEGA BLC AE TARGET PERCENT(80H= AUTO TARGET)							
021	08	05	-	05	; AGC =#022 VALUE: #22F- H ENHANCER MIN							
022	00	-	-	-	; AGC =#022 VALUE :#237- V ENHANCER MIN							
023	E5	-	-	-	; AGC MAX % (E5=90%) FOR H,V ENHANCER MIN (#021,022)							
024	80	-	-	-	; IRIS CONTROL GAIN '80'=CENTER							
025	38	-	-	-	; SHUTTER START POINT OF IRIS CONTROL PERCENT(FF=100% IRIS OPEN)							
026	A0	-	-	-	; AGC AETRGET PERCENT(=AETARGET*(#026/100hex)							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
027	90	-	-	-	; DIGITAL CLAMP CONTROL START AGC							
028	A0	A0	A0	A0	; CHROMA SUPPRESS PERCENT (00h=supress max,40h=25%,80h=50%)							
029	48	-	-	-	; CHROMA SUPPRESS START AGC VALUE							
02A	48	-	-	-	; NOISE SLICE START AGC VALUE							
02B	80	-	-	-	; SHUTTER CONTROL GAIN '80'=CENTER							
02C	80	-	-	-	; AGC CONTROL GAIN '80'=CENTER							
02D	30	-	38	-	; DIS AE AVERAGE CUTTING AT AUTO MODE							
02E	40	-	48	-	; DIS AE AVERAGE CUTTING AT SPLOTLIGHT MODE							
02F	30	-	38	-	; DIS AE AVERAGE CUTTING AT FLEXZONE MODE							
030	40	-	-	-	; CDS F-REG(f9,f2) VCR COLOR ;PGA GAIN HI8 MP,NORMAL							
031	08	0B	-	0B	; AGC H CORE LEVEL							
032	08	0B	-	0B	; AGC V CORE LEVEL							
033	12	-	-	-	; AGC GAMMA							
034	01	-	01	01	; OUTDOOR(5100K) R-Y GAIN -HIGH					OUTDOOR COLOR		
035	10	23	3B	42	; OUTDOOR(5100K) R-Y GAIN -LOW					OUTDOOR COLOR		
036	00	-	00	00	; OUTDOOR(5100K) B-Y GAIN -HIGH					OUTDOOR COLOR		
037	A0	B4	E5	C8	; OUTDOOR(5100K) B-Y GAIN -LOW					OUTDOOR COLOR		
038	01	-	01	01	; OUTDOOR(5100K) R,Mg HUE -HIGH					OUTDOOR COLOR		
039	30	2A	50	48	; OUTDOOR(5100K) R,Mg HUE -LOW					OUTDOOR COLOR		
03A	00	01	00	00	; OUTDOOR(5100K) G, Cy HUE -HIGH					OUTDOOR COLOR		
03B	0A	2A	01	13	; OUTDOOR(5100K) G, Cy HUE -LOW					OUTDOOR COLOR		
03C	01	-	01	01	; OUTDOOR(5100K) B, Cy, Mg HUE -HIGH					OUTDOOR COLOR		
03D	52	2B	70	60	; OUTDOOR(5100K) B, Cy, Mg HUE -LOW					OUTDOOR COLOR		
03E	01	-	01	01	; OUTDOOR(5100K) Ye, G HUE -HIGH					OUTDOOR COLOR		
03F	2A	28	40	3B	; OUTDOOR(5100K) Ye, G HUE -LOW					OUTDOOR COLOR		
040	64	-	-	-	; WB DASH(WAITING TIME :UPPER 4BIT, SPEED:,LOWER 4BIT)							
041	43	43	42	52	; BTRK1X: R GAIN TRACKING CURVE							
042	C6	-	-	-	; WBSPEED							
043	A0	A0	AC	AA	; RBCMAX0							
044	9A	9A	95	95	; MGCMAX0							
045	3E	3E	3D	3E	; RBCMIN0							
046	6A	6A	60	69	; MGCMIN0							
047	30	-	-	-	; RBRESP IGNORE AREA(R-B)							
048	30	-	-	-	; MGRESP IGNORE AREA(Mg-G)							
049	8E	8E	94	94	; CW_LEV_BF B XIAS WHITE DETECT AREA INI. VALUE(5100K)							
04A	94	94	9C	9A	; CW_LEV_GF G XIAS WHITE DETECT AREA INI. VALUE(5100K)							
04B	20	20	1A	1A	; CW_LEV_RF R XIAS WHITE DETECT AREA INI. VALUE(5100K)							
04C	00	-	-	-	; CW_LEV_MF M XIAS WHITE DETECT AREA INI. VALUE(5100K)							
04D	08	-	-	-	; AWB_STAB AWB STABLEMODE COUNTER UPPER LIMIT							
04E	00	-	-	-	; HIGH TEMPERTURE CONSIDERABLE RANGE CHANGE-RATE(R XIAS)							
04F	80	-	-	80	; LIKEWARM/LIKECOOL							
050	06	-	-	06	; R-B OFFSET DEC, INI- VALUE							
051	05	-	-	05	; Mg-G OFFSET DEC INI- VALUE							
052	40	-	-	-	; OUTS_RBN :HIGH TEMPERTURE CONSIDERABLE RANGE CHANGE-RATE(R XIAS)							
053	0C	-	-	-	; OUTS_MG :GREEN LIGHT SOURCE CONSIDERABLE RANGE CHANGE-RATE							
054	48	-	-	-	; INS_RB :5100K COLOR TEMPERTURE AREA							
055	37	-	-	-	; Y_LEV_L0 :LOW LUMINANCE WHITE DETECT AREA INI- VALUE (HIGH 4BIT,LOW 4BIT SEPERATE)							
056	04	-	-	-	; AWB_hall_shutter	HALL VALUE= INPUT HALL -(shutter/(80*#056))						
057	48	-	-	-	; PKOUD_IRIS							
058	20	-	-	-	; PKOUD_FAR: ZOOM TELE & FOCUS FAR(5.9M) (#057+#058) LESS THEN ,SRTAT DECREASE RANGE							
059	FF	-	-	-	; PKSHUT_RAT							
05A	40	-	-	-	; PKOUD_AMIN							
05B	FF	-	-	-	; Mg DIRECTION CONTROL LIMIT							
05C	C1	-	-	-	; mAWB_Pkoud_step:]UPPER 4BIT(INCREASE SPEED),LOWER 4BIT (DECREASE SPEED)							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
05D	FF	-	-	-	; G DIRECTION CONTROL LIMIT							
05E	FF	-	-	-	; AWB STOP WHEN R Gain > 5100K + #05E							
05F	48	-	49	48	; chHall < mAWB_Pkoud_12(#05F) + mAWB_Pkoud_far (normal)							
060	80	80	80	80	; SOPT AGC							
061	**~**	**067**			**VTR DATA**							
061	00	-	-	-	;HDSW ADJ							VTR-ADJ
062	19	19	19	19	; Fxt adj 32.768KHZ CLOCK FEQUENCY							VTR-ADJ
063	7F	7F	7F	7F	; MODEL1							VTR-ADJ
064	88	88	88	88	; DZM DISP SIZE							VTR-ADJ
065	05	05	01	01	; TBC DEFAULT							VTR-ADJ
066	00	-	-	-	; CUSTOM							VTR-ADJ
067	00	-	-	-	;TITLE LAN.							VTR-ADJ
068	F9	F9	F9	F9	; D/ZOOM RATIO MAX DATA(80:2 TIMES, CO:4 TIMES, X550=F5 ,X700=F8)							
069	19	19	1E	1E	; ZOOM MAX SPEED ;22X LENS PAL:1BH ,NTSC:17H) (12,16:275pps)							
06A	09	-	0B	0B	; REMCON ZOOM SPEED X22 PAL:09 =11SEC, 0B=10SEC							
06B	1A	-	-	-	; D/ZOOM RATIO OF WIDE IMAGE COMPENSATION							
06C	80	-	-	-	; D/ZOOM ON START POSITION-LOW BYTE OF WIDE IMAGE COMPENSATION							
06D	87	-	-	-	; D/ZOOM ON START POSITION-HIGH BYTE OF WIDE IMAGE COMPENSATION							
06E	00	-	-	-	; D/ZOOM ON END POSITION-LOW BYTE OF WIDE IMAGE COMPENSATION							
06F	85	-	-	-	; D/ZOOM ON END POSITION-HIGH BYTE OF WIDE IMAGE COMPENSATION							
070	00	-	-	-	; WIDE D.ZOOM X1.1 DECREASE ZOOM POSITION-'L' POINT (00 83)OR(08 80)							
071	83	-	-	-	; WIDE D.ZOOM X1.1 DECREASE ZOOM POSITION-'H' POINT (00 83)OR(08 80)							
072	50	50	50	50	; WIDE D.ZOOM OFF ZOOM POSITION-'L' POINT (50 81)OR(08 80)							
073	7C	-	-	-	; WIDE D.ZOOM OFF ZOOM POSITION-'H' POINT (50 81)OR(08 80).7C=X1.06(0E hex)							
074	09	-	-	-	; V SKIP LINE NUMBER							
075	11	11	00	00	; DZOOM BOUN DOWN (DIS MAX COMPENSATION(=66)-#075)							
076	10	-	-	-	; CINEMA F-ZONE LIMIT UP							
077	68	-	-	-	; CINEMA F-ZONE LIMIT DOWN							
078	F6	-	-	-	; DIS;WIGHT WHEN DATA INCREASE							
07D	6C	6C	20	20	; ADDR.#21B DATA OF FIELD-'H' WHEN PHOTO ON							
07E	60	60	2C	2C	; ADDR.#21B DATA OF FIELD-'L' WHEN PHOTO ON							
07F	6C	60	2C	2C	; ADDR. #21B data WHNE GHOST ON							
080	1B	-	-	-	; DIS ON XMX,XMY SETTING BY ZOOM POSITION,ADDR.#1B9,#1AE ,at WIDE END #1B8-#1AA=01hex							
081	29	-	-	-	; DIS ON, TELE POSISION D/ZOOM RATIO (29 HEX= X 1.19)							
082	0C	-	-	-	; DIS;CONTROL OF AF DATA							
083	02	-	-	-	; DIS;STEP OF AF DATA							
084	A0	-	-	-	; DIS;LIMIT							
085	0E	-	-	-	; DIS; FACTOR OF FREQUENCY							
086	39	-	-	-	; NEGA MODE FEDESTAL LEVEL #240							
087	13	13	13	13	; PB MODE #3BF CONTROL VALUE(CVF PB CLOLOR)							
088	54	-	55	54	; RBC-MAX_F							
089	8C	-	-	8B	; chAwb_PEAK_OUD=FF, RBCMIN VALUE INCREASED RANGE, chAwb_PEAK_OUD RERATED							
08A	87	-	-	-	; WHEN chAwb_MGCMAX IS MINMUM VALUE(5100K)							
08B	92	-	-	-	; WHEN chAwb_MGCMAX IS MAXIMUM VALUE , RBC VAVUE (DISTANCE VALUE WITH 200H)							
08C	FF	-	7A	-	;							
08D	93	93	A7	C1	;DSP AE TARGET COMPESATION							
08E	50	50	50	50	;AF CLIP CNT THR LOW BYTE							
08F	01	-	-	-	;AF CLIP CNT THR HIGH BYTE							
090	00	-	-	-	; D6='0' MIDDLE ZOOM TRACK COMPENSATION ON='00' OFF='40')							
091	00	-	-	-	; DSP AF HGSTART HIGH (AT ALL AREA)							
092	32	-	-	-	; DSP AF HGSTART LOW (AT ALL AREA)							
093	00	00	01	00	; DSP AF HGSTOP HIGH (AT ALL AREA)							
094	DD	DD	4E	DD	; DSP AF HGSTOP LOW (AT ALL AREA)							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
095	B8	-	-	-	; ZOOM VARIABLE CORVE OPTION							
096	31	31	31	31	; #0D3 LENS CHECK OPTION ('1'= WIDE END SKIP)							
097	66	-	-	-	;AE WEIGHT (B-2A);(WEIGHT/255)							
098	36	-	-	-	;AGC MAX Y SETUP(#23F)							
099	16	-	-	-	;FOCUS MIDDLE MARGIN LOW BYTE					CHANGED BY (LENS ADJUST (#0DE)		
09A	00	00	00	00	;FOCUS MIDDLE MARGIN HIGH BYTE					CHANGED BY (LENS ADJUST (#0DE)		
09B	**~**	**0A0**			**AGC ADJUST SHUTTER VALUE**							
0A1	B4	B4	96	96	;FADE TIME (#3 SEC*60=180==B4							
0A2	90	-	A1	A2	;RGAIN5100_L				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A3	01	-	01	01	;RGAIN5100_H				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A4	98	-	9C	82	;BGAIN5100_L				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A5	01	-	01	01	;BGAIN5100_H				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A6	D2	-	B8	CC	;RGAIN3100_L				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A7	00	-	00	00	;RGAIN3100_H				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A8	F3	-	91	E5	;BGAIN3100_L				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0A9	01	-	01	01	;BGAIN_3100H				CHANGED BY (WHITE BALANCE ADJUST(#0CF)			
0AA	6C	-	-	-	; FOCUS RESET LOW(16X,22X LENS)					CHANGED BY (LENS ADJUST (#0DE)		
0AB	81	-	-	-	; FOCUS RESET HIGH(16X,22X LENS)					CHANGED BY (LENS ADJUST (#0DE)		
0AC	21	-	-	-	; ZOOM RESET LOW(16X, 22X LENS)					CHANGED BY (LENS ADJUST (#0DE)		
0AD	87	-	-	-	; ZOOM RESET HIGH(16X, 22X LENS)					CHANGED BY (LENS ADJUST (#0DE)		
0B3	40	-	-	-	; HALL CLOSE TARGET							
0B4	95	-	-	-	; IRIS CONTROL AT ADJUSTMENT ;UPPER 8 BIT							
0B5	87	-	-	-	; IRIS CONTROL MIN LOW BYTE					CHANGED BY (IRIS ADJUST (#0CE)		
0B6	72	-	-	-	; IRIS CONTROL MIN HIGH BYTE					CHANGED BY (IRIS ADJUST (#0CE)		
0B7	81	-	-	-	; ZOOM VR CENTER VALUE SAVE ADDR. BY #0D6				CHANGED BY (ZOOM VR-CENTER ADJUST (#0D6)			
0B8	20	-	-	-	; ZOOM VR CENTER MARGEIN							
0BC	34	-	-	-	; AGC MIN							
0BD	D0	-	E0	C8	; AGC MAX							
0BE	89	-	-	-	; HALL WIDTH							
0BF	60	-	-	-	; HALL REF. START							
0C0	4C	-	-	-	; HALL GAIN. START							
0C1	42	-	-	-	; HALL MIN					CHANGED BY (HALL ADJUST (#0CD)		
0C2	DF	-	-	-	; HALL MAX					CHANGED BY (HALL ADJUST (#0CD)		
0C7	00	-	-	-	; IRIS CONTROL MAX LOW BYTE					CHANGED BY (IRIS ADJUST (#0CE)		
0C8	C2	-	-	-	; IRIS CONTROL MAX HIGH BYTE					CHANGED BY (IRIS ADJUST (#0CE)		
0C9	02	-	-	-	; FOCUS TELE MARGIN LOW BYTE					CHANGED BY (LENS ADJUST (#0DE)		
0CA	00	-	-	-	; FOCUS TELE MARGIN HIGH BYTE					CHANGED BY (LENS ADJUST (#0DE)		
0CB	28	-	-	-	; FOCUS WIDE MARGIN LOW BYTE					CHANGED BY (LENS ADJUST (#0DE)		
0CC	00	-	-	-	; FOCUS WIDE MARGIN HIGH BYTE					CHANGED BY (LENS ADJUST (#0DE)		
0D7	01	-	-	-	; ZOOM/FOCUS CHK=ONE AF ENABLE BIT 00~03							
0E0	1F	-	-	-	; Y_SOLARI : ART EEPROM #247				AA'=ALL DATA INITIAL)			
0E1	00	-	-	-	; C_SOLARI : ART EEPROM #29F,#2A0"							
0E9	2B	32	3C	3C	; CINEMA MODE FLEX ZONE VERTICAL START LIMIT							
0EA	00	00	01	01	; CINEMA MODE FLEX ZONE VERTICAL END LIMIT HIGH							
0EB	DF	DF	0D	0D	; CINEMA MODE FLEX ZONE VERTICAL END LIMIT LOW							
0EC	DC	00	EC	EF	; FLEXZONE AF/AE WINDOW H OFFSET DSP							
0ED	FA	F9	FA	FB	; FLEXZONE AF/AE WINDOW V OFFSET DSP							
0EE	B0	D4	D1	CA	; FLEXZONE AF/AE WINDOW H OFFSET DIS							
0EF	E8	ED	E8	E9	; FLEXZONE AF/AE WINDOW V OFFSET DIS							
0F0	01	01	01	01	; V_YUKO(HIGH) VERTICAL EFFECTIVE H LINE NUMBER HIGH							
0F1	03	02	2F	2B	; V_YUKO(HIGH) VERTICAL EFFECTIVE H LINE NUMBER LOW							
0F2	01	01	01	01	; H_YUKO(HIGH) HORIZENTALL EFFECTIVE PIXEL NUMBER HIGH							
0F3	80	80	78	78	; H_YUKO(HIGH) HORIZENTALL EFFECTIVE PIXEL NUMBER LOW							
0F4	81	81	00	7E	; H_HOSEI HORIZENTAL START/STOP OFFSET							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
0F5	FF	-	-	-	;							
0F6	FF	-	-	-	;							
0F7	41	41	41	41	; VSTOP OFFSET AD D/ZOOM							
0F8	01	-	-	-	; Dis_Oaehs_Wa_Gizz: CCD WHITE DEFECT COMPENSATION H STSRT							
0F9	F6	F4	F2	F2	; Dis_Oaehe_Wa_Gizz: CCD WHITE DEFECT COMPENSATION H END							
0FA	02	-	-	-	; Dis_OaeVs_Wa_Gizz: CCD WHITE DEFECT COMPENSATION V STSRT							
0FB	77	77	8E	8E	; Dis_OaeVe_Wa_Gizz: CCD WHITE DEFECT COMPENSATION V END							
0FC	03	-	-	-	; SEPIA R	#26C						
0FD	C9	C9	B0	B0	;	#26D						
0FE	02	-	-	-	; SEPIA B	#26E						
0FF	60	-	D0	D0	;	#26F						
100	**~**	**116**			**TOP INITIALIED DATA: FIXED**							
117	02	01	02	01	;E_SP2ADCK LOWER 4BIT (ADCK PHASE SELECT)							
117	~	11F			TG-INITIALIZED DATA: FIXED							
120	04	03	01	03	; E_DLRG (RG PHASE DELAY)							
121	00	03	08	08	; E_DLSP1(SHP PHASE DELAY)							
122	01	0E	00	0F	; E_DLSP2(SHD PHASE DELAY)							
123	~	1A4			TG-INITIALIZED DATA= FIXED							
1A5	~	1FE			LD/CB BLOCK INITIALIZED DATA= FIXED							
1FF	~	227			KZ(WHITE DEFECT COMPENSATION) BLOCK INITIALIZED DATA FIXED							
228	**~**	**24B**			**Y PROCESS BLOCK**							
228	02	-	-	-	; D RANGE VARIABLE COEFF.(H) :256STANDARD:03 FF TYP.=X2, 512STANDARD:02 00 TYP.X1							
229	60	60	60	60	; D RANGE VARIABLE COEFF.(L)							
22A	01	-	0B	-	; H_BPF_MAIN_G_MODE(4bit/1bit)(H ENHANCER BPF COEFF.-MSB D4=0:+,1:-)							
22B	04	-	-	-	; H ENHANCER CORE LEVEL(0.5LCB)							
22C	0F	-	-	-	; H_YOKUATU(H ENHANCER SUPPRESS LEVEL: 5LSB)							
22D	01	01	01	01	; H ENHANCER NOISE COEFF.(0~8TIMES)							
22E	0F	-	-	-	; H ENHANCER HIGH LEVEL COEFF.(0~8TIMES)							
22F	1C	18	18	18	; H ENHANCER COEFF.(0~8TIMES)							
230	01	-	01	-	; H_BPF_MAIN_G_MODE(4bit/1bit)							
231	00	-	-	-	; TEST MODE							
232	15	-	-	-	; VENH_LMT (V ENHANCER INPUT LIMIT LEVEL)							
233	04	-	-	-	; HIGH- V ENHANCER CORE LEVEL(0.5LSB)							
234	06	-	-	-	; KV_YOKUATU (HIGH- V ENHANCER SUPPRESS LEVEL)							
235	01	01	01	01	;HIGH- V ENHANCER NOISE COEFF.(0~8 TIMES)							
236	0B	-	-	-	;HIGH- V ENHANCER HIGH LEVEL COEFF.(0~8 TIMES)							
237	16	14	12	12	;HIGH- V ENHANCER COEFF.(0~8 TIMES)							
238	00	-	-	-	;TEST MODE							
239	13	-	-	-	;“HENH_HL (HIGH LIGHT H ENHANCER COEFF.);100IRE OVER , H ENHANCER							
23A	3F	-	-	-	;GM_IN_LMT (GAMMA INPUT LIMIT); 100IRE = 10HEX							
23B	05	-	-	-	;GM_KNEE (GAMMA KNEE COEFF.); 100IRE OVER, GAMMA CURVE							
23C	0F	0D	0F	0F	;Y_GAMMA (GAMMA COEFF.) ; 0~100IRE GAMMA CURVE							
23D	00	-	-	-	;GM_BC (GAMMA BLACK CLIP COEFF.)							
23E	08	-	-	-	;HLENH_CR (HILIGHT ENHANCER CORE LEVEL)							
23F	32	34	37	32	;GAMMA ,BEFORE, SETUP ADJUST”							
240	09	-	-	-	;Y M_F PEDESTAL LEVEL CHANGE ;OFFSET BINARY CODE (NTSC TPY:0E HEX)							
241	01	-	-	-	;Y M_F PEDESTAL LEVEL CHANGE; 1=ADD, 0=SUB.							
242	BB	-	C4	C0	;FADE_LEV (FADE LEVEL) ;BLACK FADE TYP=C0 hex							
243	00	-	-	-	;Y_WB NEGA = ‘1’ , POSI=’0’							
244	10	-	12	-	;HLENH_LM (HILIGHT ENHANCER LIMIT LEVEL)							
245	00	-	-	-	; TEST MODE							
246	00	-	-	-	;NEGA/POSI							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
247	00	-	-	-	;"SOLARI_Y (YSIGNAL ART LEVEL); SET, BIT =0 FIX							
248	1F	-	-	-	;STATE DATA SETTING MODE							
249	00	-	-	-	;"Y OUTPUT SIGNAL SELECT; 0 =CAMERA MODE ,1 =LINE MODE)							
24A	02	01	02	02	;Y DELAY ADJUST ; CAMEAR MODE : TYP=02 hex (+/-2 CLOCK)							
24B	00	-	-	-	; TEST MODE							
24C	**~**	**26B**			**C PROCESS MATRIX BLOCK DATA: FIXED**							
26C	03	-	03	03	;R SETUP (R set) HIGH							
26D	53	83	90	8C	;R SETUP (R set) LOW							
26E	03	-	03	03	;B SETUP (B set) HIGH							
26F	43	3A	45	2C	;B SETUP (B set) LOW							
270	03	-	03	03	;G SETUP (G set) HIGH							
271	36	-	38	40	;G SETUP (G set) LOW							
272	00	-	00	00	;R GAIN (Kr) HIGH							
273	AA	A0	B9	C5	;R GAIN (Kr) LOW							
274	01	-	01	01	;B GAIN (Kb) HIGH							
275	70	F3	F0	AE	;B GAIN (Kb) LOW							
276	**~**	**27F**			**C PROCESS MATRIX BLOCK DATA: FIXED**							
280	01	-	01	01	;G r-y,r-g(R-YSIGNAL R-GGAIN) HIGH							
281	1A	10	48	2A	;G r-y,r-g(R-YSIGNAL R-GGAIN) LOW							
282	00	-	00	00	;G b-y,b-g(B-YSIGNAL B-GGAIN) HIGH							
283	A0	C0	D0	E2	;G b-y,b-g(B-YSIGNAL B-GGAIN) LOW							
284	01	-	01	01	;G b-y,r-g(B-YSIGNAL R-GGAIN) HIGH; Mc-y ='1' R-G > 0 AREA GAIN							
285	10	03	50	20	;G b-y,r-g(B-YSIGNAL R-GGAIN) LOW							
286	00	01	00	00	;G b-y,r-g(-) (B-YSIGNAL R-G(-)GAIN) HIGH; '' R-G <0 AREA GAIN							
287	11	10	01	24	;G b-y,r-g(-) (B-YSIGNAL R-G(-)GAIN) LOW"							
288	01	-	01	01	;G r-y,b-g(R-YSIGNAL B-GGAIN) HIGH; Mc-y ='1' R-G > 0 AREA GAIN"							
289	40	4E	68	60	;"G r-y,b-g(R-YSIGNAL B-GGAIN) LOW"							
28A	01	-	01	01	;"G r-y,b-g(-) (R-YSIGNAL B-G(-)GAIN) HIGH; '' R-G <0 AREA GAIN"							
28B	20	25	40	2D	;"G r-y,b-g(-) (R-YSIGNAL B-G(-)GAIN) LOW"							
28C	~	2A1			C PROCESS MATRIX BLOCK DATA: FIXED							
2A2	~	2B6			AF INITIALIZED BLOCK FIXED							
2B7	**~**	**2E1**			**AE INITIALIZED BLOCK FIXED**							
2C5	07	05	08	05	;HCOUNT_2 (AREA 6 START -> 32PIXEL)							
2C6	0D	09	0D	09	;							
2C7	13	0E	15	0E	;HCOUNT_4 (AREA 6 STOP -> 32PIXEL)							
2C8	1A	11	1A	11	;							
2C9	1A	11	1A	11	;HCOUNT_6 (EFFECTIVE PIXEL STOP -> 32PIXEL)							
2D6	05	-	06	06	;VERTICAL AE WINDOW(V1)							
2D7	05	-	06	06	;VERTICAL AE WINDOW(V2)							
2D8	0E	0E	11	11	;VERTICAL AE WINDOW(V3)							
2D9	0E	0E	11	11	;VERTICAL AE WINDOW(V4)							
2DA	0E	0E	11	11	;VERTICAL AE WINDOW(V5)							
2E2	**~**	**302**			**AWB INITIALIZED BLOCK FIXED**							
2E2	20	20	21	21	;OFSMG_N (OFFSET Mg-G)							
2E3	22	22	23	23	;OFSRB_N (OFFSET R-B)							
2E4	00	-	-	-	;CW_LEV_G0 (aMGL : G WHITE DETECTIONAREA)							
2E5	1C	14	1C	1A	;CW_LEV_M0 (aMGH : Mg WHITE DETECTIONAREA)							
2E6	9B	A8	A8	A6	;CW_LEV_B0 (aRBL : B WHITE DETECTIONAREA)							
2E7	3F	44	3F	3C	;CW_LEV_R0 (aRBH : R WHITE DETECTIONAREA)							
2E8	8A	90	8A	8F	;CB_LEV_G0 (bMGL : G WHITE DETECTIONAREA)							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
2E9	0A	10	10	10	;CB_LEV_M0 (bMGH : Mg WHITE DETECTIONAREA)							
2EA	95	A2	A2	A2	;CB_LEV_B0 (bRBL : B WHITE DETECTIONAREA)							
2EB	40	48	38	38	;CB_LEV_R0 (bRBH : R WHITE DETECTIONAREA)							
2EC	03	-	-	-	;Y_LEV_L0 (LOW LUMINANCE WHITE DETECTIONAREA)							
2ED	12	-	-	-	;Y_LEV_H0 (HIGH LUMINANCE WHITE DETECTIONAREA)							
2EE	04	-	-	-	;OFFSET DEC Mg-G							
2EF	02	-	-	-	;OFFSET DEC R-B							
303	~	333			DIGITAL ZOOM(DSP) INITIALIZED BLOCK FIXED							
334	~	37B			MOSAIC/MIRROR (DSP) INITIALIZED BLOCK FIXED							
37C	~	385			DISPLAY-TOP INITIALIZED BLOCK FIXED							
386	**~**	**3B5**			**SSG INITIALIZED BLOCK FIXED**							
386	00	-	-	02	;TV_MODE D2,D1=00: NTSC, 10=PAL							
387	03	-	-	-	;HCLR1(SSG_H COUNTER CLEAR1 ;H-START)- HIGH							
388	74	74	80	80	;LOW							
389	01	01	01	01	;HCLR2 (SSG_H COUNTER CLEAR2 ;H-MIDDLE)- HIGH							
38A	AD	AD	B8	B8	;LOW							
38B	00	00	00	00	;VCLR (SSG_V COUNTER CLEAR(T=H/2) -HIGH							
38C	02	02	02	02	;LOW							
38D	02	02	02	02	;CBLK_V tf (CBLK V blanking START PHASE)-HIGH							
38E	09	09	70	70	;LOW							
38F	2A	2A	33	33	;CBLK_V tr (CBLK V blanking END PHASE)							
390	00	-	-	-	;TKEY1_H tr (H DIRECTION TKEY1 START PHASE)-HIGH							
391	56	-	5C	65	;LOW							
392	03	-	-	-	;TKEY1_H tf (H DIRECTION TKEY1 END PHASE)-HIGH							
393	16	-	-	-	;LOW							
394	00	-	-	-	;TKEY2_H tr (H DIRECTION TKEY2 START PHASE)-HIGH							
395	5B	-	60	6A	;LOW							
396	03	-	-	-	;TKEY2_H tf (H DIRECTION TKEY2 END PHASE)-HIGH							
397	11	-	-	-	;LOW							
398	00	-	-	-	;TKEY1_V tr (V DIRECTION TKEY1 START PHASE)-HIGH							
399	20	18	20	1E	;LOW							
39A	00	01	01	01	;TKEY1_V tf (V DIRECTION TKEY1 END PHASE)-HIGH							
39B	FA	00	30	30	;LOW							
39C	00	-	-	-	;TKEY2_V tr (V DIRECTION TKEY2 START PHASE)-HIGH							
39D	23	1B	23	23	;LOW							
39E	00	-	01	01	;TKEY2_V tf (V DIRECTION TKEY2 END PHASE)-HIGH							
39F	F7	FD	2D	2D	;LOW							
3A0	43	-	-	-	;HSYNC tf (CSYNC PHASE1 ;T=1/fs)							
3A1	00	-	-	-	;HSYNC tr (CSYNC PHASE2 ;T=1/fs)-HIGH							
3A2	87	-	-	-	;LOW							
3A3	66	-	-	-	;EQ tr (CSYNC PHASE3 ;T=1/fs)							
3A4	22	-	-	-	;CAMERA MODE(REC); EN_CBLK tf (CBLK H blanking START PHASE, INTERNAL encoder)							
3A5	00	-	-	-	;CAMERA MODE(REC); EN_CBLK tr (CBLK H blanking END PHASE, INTERNAL encoder)-HIGH							
3A6	97	97	AD	AD	;LOW							
3A7	43	-	-	-	;OSDHD tr ;OSDHDSTARTPHASE(SCBLKSTARTPHASE; OSD)							
3A8	00	-	-	-	;OSDHD rf ;OSDHDENDPHASE(OSD)-HIGH							
3A9	87	87	81	81	;LOW							
3AA	25	25	25	25	;CBLK tr (CBLK blanking STARTPHASE)							
3AB	00	-	-	-	;CBLK tf (CBLK blanking ENDPHASE)-HIGH							
3AC	D5	D5	D9	E8	;LOW							
3AD	4F	4F	5C	5C	;CAMERA MODE(REC); LCDHD tf ,LCDHD STARTPHASE, LCD							
3AE	00	-	-	-	;CAMERA MODE(REC); LCDHD tr, LCDHD END PHASE, LCD -HIGH							
3AF	53	53	60	60	;LOW							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
3B6	**~**	**3CC**			**ENCORDER INITIALIZED BLOCK DATA :FIXED**							
3B6	0F	-	-	-	;IN-AREA SIGNAL LEVEL SELECT, VERTICAL blanking"							
3B7	21	-	-	-	;LPFSELECT,							
3B8	08	-	-	-	;Y FADE LEVEL							
3B9	00	-	-	-	;CHARA Y LEVEL (D4..D1: Y, D5..D8: GREEN)							
3BA	08	-	-	-	;R-Y FADE LEVEL							
3BB	88	-	-	-	;CHARA R-Y LEVEL (D4..D1: R-Y, D5..D8: GREEN)"							
3BC	08	-	-	-	;B-Y FADE LEVEL							
3BD	88	-	-	-	;CHARA B-Y LEVEL (D4..D1: B-Y, D5..D8: GREEN)							
3BE	00	-	-	-	;CAMERA MODE(REC) ; H resetPHASE-HIGH; S1 start point, S1(INTERNALSIGNAL);CHROMA SIGNAL							
3BF	47	48	47	47	;LOW							
3C0	01	-	-	-	;CHARA RGB level-HIGH, D1..4: R, D5..8:G, D9..12: B							
3C1	11	-	-	-	;LOW							
3C2	0C	-	-	-	;CHARA RGB G-level-HIGH, D1..4: R, D5..8:G, D9..12: B							
3C3	CC	-	-	-	;LOW							
3C4	04	-	-	-	; TEST CHANGE							
3C5	00	-	-	-	;K r-y/r-y -HIGH ,gain 4TIMES(0~1023/64)							
3C6	59	-	-	-	;LOW							
3C7	00	-	-	-	;K g-y/r-y -HIGH ,gain 4TIMES(0~1023/64)							
3C8	5A	-	-	-	;LOW							
3C9	00	-	-	-	;K b-y/b-y -HIGH ,gain 4TIMES(0~1023/64)							
3CA	92	-	-	-	;LOW							
3CB	00	-	-	-	;K g-y/b-y -HIGH ,gain 4TIMES(0~1023/64)"							
3CC	40	-	-	-	;LOW							
LCD												
	EVF	**CVF**	**EVF**	**CVF**	**NOTE: DATA SEPERATED BY CVF OR NON-CVF MODEL (ADR.3CD~ADDR.552)**							
3CD	**~**	**43C**			**LCD1(CVF/LCD) INITIALIZED BLOCK DATA :FIXED**							
3CD	10	00	10	00	;SELECTER(D14=fastck_p 1:dotsck2tnsqo 0:dotsck NORMALLY,D13= sony_n , 0:sony							
3CE	00	00	00	00	;							
3CF	39	5E	68	60	;DOTSCK TEST DATA-HIGH (0~ 65535 SELECT ,8000h=2 DIV)							
3D0	A6	6B	C0	00	;LOW							
3D1	00	00	00	00	;MARUME COMPENSATION-HIGH							
3D2	00	00	00	00	;LOW							
3D3	00	00	00	00	;GAMMA 1-HIGH (D13~D1:GAMMA1 DATA[9..1] 0~511 SELECT, 1STEP							
3D4	3E	3E	3E	3E	;LOW							
3D5	C0	41	C0	41	;SAMPLING SYNCHRONIZE 1- HIGH							
3D6	01	00	01	00	;LOW							
3D7	15	11	15	11	;SAMPLING SYNCHRONIZE 2- HIGH							
3D8	26	22	26	22	;LOW							
3D9	00	00	00	00	;SETUP SETTING (D13~D9 :0~31 SELECT,)							
3DA	00	00	00	00	;							
					CVF CONTRAST/BRIGHT R/G/B ADJUST							
3DB	25	-	-	-	;CONTRAST(0~4TIMES 1/64 STEP 40hX1					CVF ADJUST		
3DC	25	-	-	-	;BRIGHT (R)					CVF ADJUST		
3DD	25	-	-	-	;BRIGHT (G)					CVF ADJUST		
3DE	25	-	-	-	;BRIGHT (B)					CVF ADJUST		
43D	~	452			LTG1(VCK1=LCD) TIMIMG DATA: FIXED							
453	~	476			LTG2(VCK2=LCD) TIMIMG DATA: FIXED							
477	~	49A			LTG3(LCD) TIMIMG DATA: FIXED							
49B	~	4BE			LTG4(LCD) TIMIMG DATA: FIXED							
4BF	~	4D6			LTG5(CLK=LCD) TIMIMG DATA: FIXED							
4D7	~	4EE			LTG6(ENABLE=LCD) TIMIMG DATA: FIXED							
4EF	~	506			LTG7(H.START=LCD) TIMIMG DATA: FIXED							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
507	~	51E			LTG8(V.START=LCD) TIMIMG DATA: FIXED							
537	~	556			LTG10(HCK1=LCD) TIMIMG DATA: FIXED							
51F	**~**	**536**			**LTG9(DIS-VD PULSE=LCD) TIMIMG DATA: FIXED**							**NON-CVF**
529	00	-	-	-	;							NON-CVF
52A	00	-	-	01	;							NON-CVF
52B	01	01	02	02	;DIS VD- HD FALLING TIMING SETTING-HIGH							NON-CVF
52C	78	78	9D	AD	;DIS VD- HD FALLING TIMING SETTING-LOW							NON-CVF
563	~	56E			CAMERA MODE VERTICAL DIRECTION CONVERT LCD(LTG1) TIMING SETTING DATA FIXED							CASIO-LCD
563	C2	-	-	-	;VERTICAL CONVERT, OUTPUT CONVERT-LOW (CAMERA MODE-LTG1)					#42F		CASIO-LCD
564	04	-	-	-	; MCK	MOD	OEI	PAL	DCLK	#430	HIGH	CASIO-LCD
565	01	-	01	-	;VERTICAL CONVERTΩ√		LTG 1 EVEN			#431		CASIO-LCD
566	FF	-	FF	-	;					#432		CASIO-LCD
567	01	-	01	-	;VERTICAL CONVERT		LTG 1 ODD			#433		CASIO-LCD
568	FF	-	FF	-	;					#434		CASIO-LCD
569	00	-	00	-	;VERTICAL CONVERT		LTG 1 TOGGLE POINT 1			#435		CASIO-LCD
56A	36	-	72	56	;					#436		CASIO-LCD
56B	00	-	00	-	;VERTICAL CONVERT		LTG 1 EVEN			#437		CASIO-LCD
56C	02	-	02	-	;					#438		CASIO-LCD
56D	00	-	00	-	;VERTICAL CONVERT		LTG 1 ODD			#439		CASIO-LCD
56E	02	-	02	-	;					#43A		CASIO-LCD
56F	~	57A			CAMERA MODE HORIZENTAL DIRECTION CONVERT LCD (LTG1)TIMING SETTING DATA FIXED							CASIO-LCD
56F	C2	-	-	-	;HORIZENTAL DIRECTION CONVERT					#42F		CASIO-LCD
570	00	-	-	-	;					#430		CASIO-LCD
571	00	-	00	-	;HORIZENTAL DIRECTION CONVERT					#431		CASIO-LCD
572	02	-	02	-	;					#432		CASIO-LCD
573	00	-	00	-	;HORIZENTAL DIRECTION CONVERT					#433		CASIO-LCD
574	02	-	02	-	;					#434		CASIO-LCD
575	00	-	00	-	;HORIZENTAL DIRECTION CONVERT					#435		CASIO-LCD
576	36	-	72	56	;					#436		CASIO-LCD
577	01	-	01	-	;HORIZENTAL DIRECTION CONVERT					#437		CASIO-LCD
578	FF	-	FF	-	;					#438		CASIO-LCD
579	01	-	01	-	;HORIZENTAL DIRECTION CONVERT					#439		CASIO-LCD
57A	FF	-	FF	-	;					#43A		CASIO-LCD
57B	~	586			CAMERA MODE VER.L/HORIZENTAL DIRECTION CONVERT LCD (LTG1)TIMING SETTING DATA							CASIO-LCD
57B	C2	-	-	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT(LTG1)					#42F		CASIO-LCD
57C	04	-	-	-	;					#430		CASIO-LCD
57D	00	-	00	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT					#431		CASIO-LCD
57E	02	-	02	-	;					#432		CASIO-LCD
57F	00	-	00	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT					#433		CASIO-LCD
580	02	-	02	-	;					#434		CASIO-LCD
581	00	-	00	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT					#435		CASIO-LCD
582	36	-	72	56	;					#436		CASIO-LCD
583	01	-	01	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT					#437		CASIO-LCD
584	FF	-	FF	-	;					#438		CASIO-LCD
585	01	-	01	-	;VERTICAL/HORIZENTAL DIRECTION CONVERT					#439		CASIO-LCD
586	FF	-	FF	-	;					#43A		CASIO-LCD
587	~	58A			VTR-PB SEARCH MODE LCD TIMING SETTING DATA FIXED							CASIO-LCD
587	30	-	-	-	;SEARCH/STILL, HV COUNTER TEST DATA-LOW					#3FD		CASIO-LCD
588	00	-	-	-	; HLD	VLD	ALO	ofe2	hf1	#3FE		CASIO-LCD
589	80	-	-	-	;SEARCH/STILL, SRT SIGNAL SHIFT -LOW					#409		CASIO-LCD
58A	02	-	-	-	; CSO	fps				#40A		CASIO-LCD

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
58B	~	5A2			LTG9(DIS-VD PULSE=CVF MODEL) TIMIMG DATA: FIXED							CVF
595	00	00	00	00	;							CVF
596	00	-	00	01	;							CVF
597	02	02	02	02	; DIS VD- HD FALLING TIMING SETTING-HIGH							CVF
598	6A	6A	65	6C	; DIS VD- HD FALLING TIMING SETTING-LOW							CVF
5A7	94	-	-	-	; CVF COM_DC		MICOM PIN 28 OUTPUT					CVF
5A8	52	-	-	-	; CVF COM_CRL		MICOM PIN 21 OUTPUT					CVF
5A9	47	47	47	47	; #3BF	EN_A04_0F	H reset -LOW				CASIO-LCD-PB	CVF-PB
5AA	1B	43	38	43	; #3AD	SSG_A04_DE	PB MODE H- START PULSE				CASIO-LCD-PB	CVF-PB
5AB	00	00	00	00	; #3AE	SSG_A04_DF	PB MODE H- END PULSE				CASIO-LCD-PB	CVF-PB
5AC	3B	47	40	47	; #3AF	SSG_A04_DF	PB MODE H- END PULSE				CASIO-LCD-PB	CVF-PB
5AD	~	5CD			CASIO LCD (CANON MODEL) SETTING							
5AD	00	-	-	-	; #3D3	GAMMA 1 HIGH						CASIO-LCD
5AE	3E	-	-	-	; #3D4	GAMMA 1 LOW						CASIO-LCD
5AF	2E	-	-	-	; #3DB	CONTRAST(0~4TIMES 1/64 STEP 40hX1						CASIO-LCD
5B0	00	-	-	-	; #3DC	BRIGHT (R) , BRIGHT 0~255 :00h SETTING IS +0 bright ADJUST						CASIO-LCD
5B1	00	-	-	-	; #3DD	BRIGHT (G) , BRIGHT 0~255:00h SETTING IS +0 bright ADJUST						CASIO-LCD
5B2	00	-	-	-	; #3DE	BRIGHT (B) , BRIGHT 0~255: 00h SETTING IS +0 bright ADJUST						CASIO-LCD
5B3	00	-	-	-	; #3E3	GAMMA 2 HIGH						CASIO-LCD
5B4	40	-	-	-	; #3E4	GAMMA 2 LOW						CASIO-LCD
5B5	80	-	-	-	; #3E5	R GAIN						CASIO-LCD
5B6	80	-	-	-	; #3E6	G GAIN						CASIO-LCD
5B7	70	-	-	-	; #3E7	B GAIN						CASIO-LCD
5B8	50	-	A9	-	;	LCD COM_DCMICOM PIN 28 OUTPUT						CASIO-LCD
5B9	60	-	50	-	;	LCD COM_CRLMICOM PIN 21 OUTPUT						CASIO-LCD
5BA	54	54	54	54	;	STEP R GAIN LCD USER ADJUST						CASIO-LCD
5BB	54	54	54	54	;	STEP G GAIN						CASIO-LCD
5BC	54	54	54	54	;	STEP B GAIN						CASIO-LCD
5BD	55	-	-	-	;							CASIO-LCD
5C0	00	-	-	-	; #4D7	CAM MODE- VERTICAL CONVERT						CASIO-LCD
5C1	1D	-	3A	-	; #4D8	#4D7~#4D8:COMMAND						CASIO-LCD
5C2	00	-	-	-	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5C3	18	-	1D	1D	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5C4	00	-	00	00	; #4D7	PB MODE MODE -LCD VERTICAL SIZE SIZE						CASIO-LCD
5C5	16	-	2C	16	; #4D8	(H SIZE# 690)						CASIO-LCD
5C6	00	-	00	00	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5C7	0D	-	11	17	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5CA	00	00	00	00	; #4D7	VTR-PB MODE VERTICAL/HORIZENTAL DIRECTION CONVERT						CASIO-LCD
5CB	1D	-	3A	-	; #4D8							CASIO-LCD
5CC	00	-	-	-	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5CD	0F	-	11	15	;	#4D9~4DA,4DB~4DC,4E5~4E6,4E7~4E8						CASIO-LCD
5EC	59	-	-	-	;	K r-y/r-y -HIGH ,gain 4TIMES(0~1023/64)				#3C6		CVF
5ED	5A	-	-	-	;	K g-y/r-y -HIGH ,gain 4TIMES(0~1023/64)				#3C8		CVF
5EE	92	-	-	-	;	K b-y/b-y -HIGH ,gain 4TIMES(0~1023/64)				#3CA		CVF
5EF	40	-	-	-		K g-y/b-y -HIGH ,gain 4TIMES(0~1023/64)				#3CC		CVF
5F9	66	-	66	66	; #4F0	PB MODE						CVF
5FA	66	-	66	66	; #4F6	PB MODE						CVF
5FB	71	-	71	71	; #4FC	PB MODE						CVF
5FC	71	-	71	71	; #502	PB MODE						CVF
600	~	67F			DIS REGISTER							
600	48	-	-	-	DIS_ON	ZOOM_ON	LSSC_ON	MIRR_ON	PIP_ON	POWER	PIP_MIRR	BYPASS
601	8C	-	-	-	FRAME	STILL1	STILL2	CEDGE_ON	APT_ON	OSD_ON	TRA_ON	GAMA_ON

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
602	20	00	60	40	DVC	PAL	HIGH	FLD_SEL	BIST	PN_SEL	CUR_HOLD	CLEAR
603	00	-	-	-	KX (7:0) HORIZONTAL ZOOM COEFFICENT VALUE							
604	00	-	-	-	KY (7:0) VERTICAL ZOOM COEFFICENT VALUE							
605	85	5E	83	5E	SP_H (7:0) HORIZONTAL START POINT FOR ZOOM							
606	11	11	16	14	SP_V (7:0) VERTICAL START POINT FOR ZOOM							
607	03	F0	00	00	WIDTH (7:0) HORIZONTAL WIDTH LSB							
608	03	01	03	02	X	X	X	X	X	X	WIDTH (9:8)	WIDTH MSB
609	F5	F5	22	22	|—— HEIGHT [7:0] VERTICAL HEIGHT LSB							——|
617	65	3D	63	3D	|—— OUT_OFF (7:0) FIELD MEMORY1 HORIZONTAL OUTPUT S/P							——|
618	65	3D	63	3D	|—— OUT_OFF1 (7:0) FIELD MEMORY1 HORIZONTAL OUTPUT S/P							——|
619	08	08	-	-	GR_MODE (7:4) INTERNAL IMAGE SELECT MODE				|——		OSD_VAL (3:0)	——|
61A	8E	8E	90	8E	CLK2_SEL	|—— CLK2_SEL (6:0) CLK DELAY ADJUST						——|
61B	00	60	2C	2C	S1S2_SEL0	CRCB_SEL0	S1S2_SEL1	CRCB_SEL1	LINE_SEL0	LINE_SEL1	LINE_SEL2	LINE_SEL3
61C	02	02	03	02		OSD_SEL (7:5)		|——	HVD_ADJ			——|
673	38	38	38	38	|——PTHRESH (7:0) DIGITAL CLAMP THRESHOLD VALUE FROM MICOM							——|
674	04	04	04	04	|——POFFSET (7:0) DIGITAL CLAMP OFFSET VALUE FROM MICOM							——|
675	03	-	-	-	|——PCMD (7:0) PREPROCESS COMMAND FROM MICOM							——|
676	00	-	-	-	|——PRAMIL (7:0) DEFECT POSITION VALUE(7:0) FROM MICOM							——|
677	00	-	-	-	|——PRAMIM (16:8) DEFECT POSITION VALUE(15:8) FROM MICOM							——|
678	00	-	-	-	X	X	X	X	PRAMIM (19:16) DEFECT POSITION FROM MICOM			
679	00	-	-	-	X	X	|—— PRAMA_MI (5:0) LINE MEMORY ADDRESS FROM MICOM					——|
67A	00	-	-	-	;DIS;FACTOR AT BLC ON CONDTION							
67B	00	-	-	-	;DIS;FACTOR AT BLC ON CONDTION							
67C	10	-	-	-	;DIS;CCD DEFECT COMPENSATION DIGITAL CLAMP LEVEL#674							
67D	D0	-	-	-	;DIS; DIS ON AGC AE TARGET DOWN PERCENT							
67E	F4	-	-	-	;DIS;WIGHT WHEN DECREASE							
67F	00	-	-	-	;DIS; STEP CONTROL '00~88'							
680	**~**	**7FF**			**VTR PART ADDRESS & DATA [061~067 & 680~7FF]**							
690	1B	1B	17	17	;PB MODE HDIRECTION START PULSE							
691	00	-	-	-	;PB MODE HDIRECTION END PULSE							
692	3B	3B	42	42	;PB MODE HDIRECTION END PULSE							
693	07	-	-	-	;PB MODE(CAM/TG/DEMOD/AD) - STD2							
694	FC	-	-	-	;PB MODESTD1							
695	03	-	-	-	;PB MODE(RCON/DISP) - LCD CLOSE(LCD POWER OFF D5 = %%1%%)							
696	C3	-	-	-	; PB MODE							
697	00	-	-	-	;PB MODE(SRAM) - LCD CLOSE(LCD POWER OFF D9 = %%1%%)							
698	00	-	-	-	; PB MODE							
699	00	-	-	-	; PB MODE							
69A	01	-	-	-	; PB MODE							
69B	00	-	-	-	; PB MODE							
69C	0F	-	-	-	; PB MODE							
69D	14	-	-	-	; PB MODE							
69E	7F	-	-	-	; PB MODE							
69F	03	-	-	-	; PB MODE							
6A0	FF	-	-	-	;							
6A1	00	07	00	04	; PB MODE	SCK CNT"SCK MASK(NTSC1820fH/3,PAL1824fH/3)						
6A2	02	02	03	02	; PB MODE	TG HCYCLE	TG: H CYCLE SETTING (T=1/fs) : D11 ~ D9					
6A3	8D	5D	8F	5F	;	TG HCYCLE	TG: H CYCLE SETTING (T=1/fs) : D8 ~ D1					
6B0	00	-	-	-	;BACKUP_EMG_L	VCR EEPROM DATA(LITHIUM BACKUP AREA)						
6B1	00	-	-	-	;BACKUP_EMG_H							
6B2	00	-	-	-	;BACKUP_TTLSELDATA							
6B3	00	-	-	-	;BACKUP_TITLEDSPCUSSTATE(DISP_OFF)//SAMSUNG							
6B4	00	-	-	-	;BACKUP_TITLEDSPSTATE(DISP_OFF)//CANON							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
6B5	00	-	-	-	;BACKUP_DTIMEDSPSTATE(DISP_OFF)//CANON							
6B6	00	-	-	-	;BACKUP_PAEDATA(AUTO)							
6B7	00	-	-	-	;BACKUP_DSEDATA(AUTO)							
6B8	00	-	-	-	;BACKUP_PBDSEDATA(AUTO)							
6B9	11	-	-	-	;BACKUP_USERBRIGHT							
6BA	11	-	-	-	;BACKUP_USERCOLOR							
6BB	0B	-	-	-	;BACKUP_USERVOLUME							
6BC	00	-	-	-	; RESERVE							
6BD	00	-	-	-	; RESERVE							
6BE	00	-	-	-	; RESERVE							
6BF	12	-	-	-	; RESERVE							
6C0	00	-	-	-	;TAPECOUNTER0							
6C1	00	-	-	-	;TAPECOUNTER1							
6C2	00	-	-	-	;TAPECOUNTER2							
6C3	00	-	-	-	;TAPECOUNTER3							
6C4	2B	-	-	-	;BACKUP_FLAG0							
6C5	07	-	-	-	;BACKUP_FLAG1							
6C6	4D	-	-	-	;BACKUP_FLAG2							
6C7	FF	-	-	-	;							
6C8	80	-	-	-	; ;data low							
6C9	00	-	-	-	; ;data high							
6CA	80	-	-	-	; ;data low							
6CB	00	-	-	-	; ;data high							
700	20	20	78	78	;CAM MODE(REC/RECP/STOP) : D1~D8							
701	10	-	-	-	;CAM MODE(REC/RECP/STOP) : D9~D16							
702	00	-	-	-	;CAM MODE(REC/RECP/STOP) : D17~D24							
703	00	-	-	-	;CAM MODE(REC/RECP/STOP) : D25~D32							
704	29	-	-	-	;CAM MODE(REC/RECP/STOP) : D33~D40							
705	78	78	78	78	;CAM MODE(REC/RECP/STOP) : D41~D48							
706	88	-	-	-	;CAM MODE(REC/RECP/STOP) : D49~D56							
707	1B	-	-	-	;CAM MODE(REC/RECP/STOP) : D57~D64							
708	88	-	-	-	;CAM MODE(REC/RECP/STOP) : D65~D72							
709	C2	-	-	-	;CAM MODE(REC/RECP/STOP) : D73~D80							
70A	00	-	-	-	;CAM MODE(REC/RECP/STOP) : D81~D88							
70B	6A	-	-	-	;CAM MODE(REC/RECP/STOP) : D89~D96							
70C	33	33	13	13	;CAM MODE(REC/RECP/STOP) : D97~D104							
70D	1B	-	-	-	;CAM MODE(REC/RECP/STOP) : D105~D112							
70E	9F	-	-	-	;CAM MODE(REC/RECP/STOP) : D113~D120							
70F	50	-	-	-	;CAM MODE(REC/RECP/STOP) : D121~D128							
710	21	21	79	79	;NORMALLYPB PB/EDIT-PB : D1~D8							
711	16	16	1E	1E	;NORMALLYPB PB/EDIT-PB : D9~D16							
712	05	05	1B	1B	;NORMALLYPB PB/EDIT-PB : D17~D24							
713	2E	-	-	-	;NORMALLYPB PB/EDIT-PB : D25~D32							
714	29	29	27	27	;NORMALLYPB PB/EDIT-PB : D33~D40							
715	25	-	-	-	;NORMALLYPB PB/EDIT-PB : D41~D48							
716	89	89	CA	CA	;NORMALLYPB PB/EDIT-PB : D49~D56							
717	1C	-	-	-	;NORMALLYPB PB/EDIT-PB : D57~D64							
718	80	-	-	-	;NORMALLYPB PB/EDIT-PB : D65~D72							
719	B0	-	-	-	;NORMALLYPB PB/EDIT-PB : D73~D80							
71A	10	-	-	-	;NORMALLYPB PB/EDIT-PB : D81~D88							
71B	10	-	-	-	;NORMALLYPB PB/EDIT-PB : D89~D96							
71C	AA	AA	A9	A9	;NORMALLYPB PB/EDIT-PB : D97~D104							
71D	24	-	-	-	;NORMALLYPB PB/EDIT-PB : D105~D112							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
71E	48	-	-	-	;NORMALLYPB PB/EDIT-PB : D113~D120							
71F	14	-	-	-	;NORMALLYPB PB/EDIT-PB : D121~D128							
720	00	-	-	-	;NORMALLYPB PB/EDIT-VRPB : D89~D96							
721	17	17	1F	1F	;NORMALLYPB STIL/E-STIL : D9~D16							
722	18	-	-	-	;NORMALLYPB STIL/E-STIL : D17~D24							
723	2E	-	-	-	;NORMALLYPB STIL/E-STIL : D25~D32							
724	2D	2D	2D	2D	;NORMALLYPB STIL/E-STIL : D41~D48							
725	00	-	-	-	;NORMALLYPB STIL/E-STIL : D89~D96							
726	1B	-	-	-	;NORMALLYPB STIL/E-STIL : D105~D112							
727	2D	2D	2D	2D	;NORMALLYPB CUE/REV/E-CUE/E-REV : D41~D48							
728	B0	-	-	-	;NORMALLYPB CUE/REV/E-CUE/E-REV : D73~D80							
745	24	24	7C	7C	;HI8 CAM(REC/RECP/STOP):D1~D8							
746	C9	C9	E9	E9	;HI8 CAM(REC/RECP/STOP):D33~D40							
747	78	78	78	78	;HI8 CAM(REC/RECP/STOP):D41~D48							
748	88	-	-	-	;HI8 CAM(REC/RECP/STOP):D49~D56							
749	88	-	-	-	;HI8 CAM(REC/RECP/STOP):D65~D72							
74A	C2	-	-	-	;HI8 CAM(REC/RECP/STOP):D73~D80							
74B	03	-	-	-	;HI8 CAM(REC/RECP/STOP):D81~D88							
74C	29	-	-	-	;HI8 CAM(REC/RECP/STOP):D89~D96							
74D	00	-	-	-	;HI8 CAM(REC/RECP/STOP):D113~D120							
74E	50	-	-	-	;HI8 CAM(REC/RECP/STOP):D121~D128							
74F	A4	-	-	-	;HI8-PB(PB/EDIT-PB) : D33~D40							
750	45	-	-	-	;HI8-PB(PB/EDIT-PB):D41~D48				PB ENHANCER			
751	89	89	CA	CA	;HI8-PB(PB/EDIT-PB):D49~D56							
752	80	-	-	-	;HI8-PB(PB/EDIT-PB):D65~D72							
753	D4	-	-	-	;HI8-PB(PB/EDIT-PB):D73~D80							
754	AA	AA	A9	A9	;HI8-PB(PB/EDIT-PB):D97~D104							
755	49	49	49	49	;HI8-PB(PB/EDIT-PB):D113~D120							
756	0C	-	-	-	;HI8-PB(PB/EDIT-PB):D121~D128							
757	0D	-	-	-	;HI8-PB(STILL/E-STILL):D41~D48							
758	0D	-	-	-	;HI8-PB(CUE/REV/E-CUE/E-REV):D41~D48							
759	B4	-	-	-	;HI8-PB(CUE/REV/E-CUE/E-REV):D73~D80							
776	10	-	-	-	;NORMALLY AND N/M-PAL PB/SEARCH MODE HI8ME:D113~D120(D90~D91)							
777	60	-	-	-	;TBC OFF : D89~D96: D94~D95							
778	1B	-	-	-	;TBC OFF : D105~D112 ; D105~D112							
779	5B	-	-	-	;PAL60 TBCOFF : D97~D104 ; D97~D100							
77A	5B	-	-	-	;"NORMALLY,M/N_PAL MODE TBC OFF;D97~D104 ; D97~D100"							
77B	92	92	12	12	;LCD OPEN SKEW :D88= 1 SETTING							
77C	12	-	-	-	;" NOT USED;NORMALLY AND N/M_PAL VRPB,STILL,SEARCH ; D81~D88"							
77D	12	-	-	-	;" NOT USED;PAL60 VRPB,STILL,SEARCH ; D81~D88"							
77E	00	-	-	-	; NOT USED							
77F	00	-	-	-	; NOT USED							
780	80	80	86	86	;CAM FADE MUTE LEVEL							
781	20	20	24	24	;CAM PEDESTAL LEVEL				CAMERA SYNC LEVEL			
782	0A	-	-	-	;FMEQ CONTROL LB,HB CURVE AND LIMITER							
783	3C	-	-	-	;PB/LB CONVERT COMPENSATION TRAP DEPTH				CAMERA B-Y BURST LEVEL			
784	59	59	64	64	;CAM B-Y BURST LEVEL				CAMERA R-Y BURST LEVEL			
785	80	80	9C	9C	;CAM R-Y BURST LEVEL							
786	4A	4A	40	40	;PB TBC OFF:PEDESTAL LEVEL							
787	0E	0E	06	06	;PB TBC OFF:PB SYNC LEVEL							
788	18	-	-	-	;SYNC SEP&AF ZONE ADD LEVEL							
789	38	-	-	-	;Y AND CAM Y CLIP LEVEL							
78A	08	-	-	-	;CAM SYNC CUT LEVEL							
78B	10	-	-	-	;C RF OUTPUT A/D SETTING							

	NO-OSD-DISPLAY				DISTANCE							
ADDR	MODEL/DATA				CONTENT							
	NTSC		PAL									
	HI8	NOR	HI8	NOR	D7	D6	D5	D4	D3	D2	D1	D0
78C	22	22	22	22	;TRIC DO DETECTION LEVEL							
78D	3B	-	-	-	;PB DO DETECTION LEVEL							
78E	FF	-	-	-	;FCNR/C DEEMPHA/C EMPHA LIMITER							
78F	FB	-	-	-	;PB_C ENHANCER/CNR/C GAINSETTINGCLIP							
790	B8	-	-	-	;PB BLUE BACKSIGNAL B-Y LEVEL							
791	6E	-	-	-	;PB BLUE BACKSIGNAL R-Y LEVEL					PB B-Y BURST LEVEL		
792	59	59	64	64	;ffapc B-Y BURST LEVEL					PB R-Y BURST LEVEL		
793	80	80	9C	9C	;ffapc R-Y BURST LEVEL							
794	15	-	-	-	;TBC SYNC LEVEL							
795	AC	-	-	-	;TBC LB °§H B SYNC CUT LEVEL							
796	59	59	64	64	;TBC B-Y BURST LEVEL					PB B-Y BURST LEVEL		
797	80	80	9C	9C	;TBC R-Y BURST LEVEL					PB R-Y BURST LEVEL		

CHANGED DATA BY MODEL

ADDR	MODEL/DATA				CONTENT	APPLY MODELS
	NTSC		PAL			
	HI8	NOR	HI8	NOR		
001		C6	C6	C6	OPTION(DIS MODEL)	VP-L750/VP-L770/SCL750/SCL770
		46		46	OPTION(NON-DIS MODEL)	VP-L710/SCL700
021		08	08	08	AGC ON H ENHANCER	VP-L750/VP-L770/SCL750/SCL770
		05		05	AGC ON H ENHANCER	VP-L710/SCL700
031		08	08	08	AGC ON H CORE LEVEL	VP-L750/VP-L770/SCL750/SCL770
		05		05	AGC ON H CORE LEVEL	VP-L710/SCL700
032		08	08	08	AGC ON V CORE LEVEL	VP-L750/VP-L770/SCL750/SCL770
		05		05	AGC ON V CORE LEVEL	VP-L710/SCL700

NOTE: NTSC HI8 ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:HI8/NORMAL) DATA

NOTE: NTSC NORMAL ADDR.3CD~552 :CVF MODEL (CVF ONLY:HI8/NORMAL) DATA

NTSC HI8 MODEL INITIAL DATA (000~7FF)

NTSC HI8 ; 0 PAGE DATA(000~0FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
000	00	C6	67	A5	70	08	44	44	03	B0	75	3D	85	50	02	1C	//	f
	30	00	F7	01	80	D2	01	74	A0	05	70	0B	80	B0	98	98	//	1f
	60	08	00	E5	80	38	A0	90	A0	48	48	80	80	30	40	30	//	2f
	40	08	08	12	01	23	00	B4	01	20	01	0A	01	52	01	2A	//	3f
	64	43	C6	A0	9A	3E	6A	30	30	8E	94	20	00	08	00	80	//	4f
	06	05	40	0C	48	37	04	48	20	FF	40	FF	C1	FF	FF	48	//	5f
	80	00	19	7F	88	05	00	00	F9	19	09	1A	80	87	00	85	//	6f
	00	83	50	7C	09	11	10	68	F6	12	04	12	04	6C	60	6C	//	7f
	1B	29	0C	02	A0	0E	39	13	54	8C	87	92	FF	93	50	01	//	8f
	00	00	32	00	DD	B8	31	66	36	16	00	11	3D	14	3D	3F	//	9f
	3D	B4	90	01	98	01	D2	00	F3	01	6C	81	21	87	07	0C	//	af
	0C	20	30	40	95	87	72	81	20	04	0E	02	34	D0	89	60	//	bf
	4C	42	DF	84	83	FD	87	00	C2	02	00	28	00	FF	FF	FF	//	cf
	FF	FF	FF	FF	FF	0B	FF	01	FF	FF	FF	FF	FF	FF	FF	A0	//	df
	1F	00	00	2B	00	DF	00	88	09	2B	00	DF	DC	FA	B0	E8	//	ef
	01	03	01	80	81	FF	FF	41	01	F6	02	77	03	C9	02	60	//	ff

NTSC HI8 ; 1 PAGE DATA(100~1FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
100	00	04	00	00	00	20	00	10	00	00	40	6A	00	01	00	00	//	10f
	00	00	00	00	00	00	00	02	02	04	00	00	39	07	02	00	//	11f
	04	00	01	00	01	0A	00	06	02	5D	01	2F	23	00	23	03	//	12f
	1D	03	1D	0F	17	00	70	01	28	01	2E	02	0C	09	01	06	//	13f
	0B	13	07	08	01	00	00	F1	11	28	35	4C	00	01	00	01	//	14f
	00	08	02	00	00	13	25	1F	31	2B	0D	37	19	17	04	0D	//	15f
	0A	13	10	01	16	07	11	28	35	4C	05	55	45	55	15	15	//	16f
	15	55	00	00	00	00	01	61	01	00	00	04	00	04	00	00	//	17f
	00	61	00	01	00	14	00	00	00	00	00	00	30	00	00	00	//	18f
	17	04	0D	0A	13	10	01	16	07	00	00	00	00	00	00	00	//	19f
	00	00	00	00	00	00	30	30	00	80	34	00	00	30	01	7E	//	1af
	00	83	00	23	00	00	00	7A	00	77	00	00	00	00	00	00	//	1bf
	02	00	00	01	50	01	B0	01	B0	01	50	00	F0	01	50	00	//	1cf
	F0	01	50	01	50	00	F0	01	50	00	F0	00	F0	00	90	00	//	1df
	90	00	F0	00	90	01	50	01	50	00	90	00	30	00	F0	00	//	1ef
	90	00	90	00	90	00	90	00	F0	00	30	00	48	00	00	01	//	1ff

NTSC HI8 ; 2 PAGE DATA(200~2FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
200	00	00	00	00	00	00	70	00	00	00	00	00	00	00	00	00	//	20f
	00	00	00	00	00	00	00	00	00	00	00	00	01	1F	00	06	//	21f
	00	EC	00	00	00	00	1A	00	02	60	01	04	0F	01	0F	1C	//	22f
	01	00	15	04	06	01	0B	16	00	13	3F	05	0F	00	08	32	//	23f
	09	01	BB	00	10	00	00	00	1F	00	02	00	01	FF	01	FF	//	24f
	01	FF	01	FF	04	CF	00	FF	02	BB	03	3B	01	EB	07	E0	//	25f
	00	FF	04	D5	01	BF	07	B3	05	83	00	7F	03	53	03	43	//	26f
	03	36	00	AA	01	F3	01	18	12	04	0A	01	FF	00	00	00	//	27f
	01	10	00	A0	01	10	01	11	01	40	01	20	B2	05	1A	00	//	28f
	01	00	00	00	6A	00	2D	00	60	00	88	00	00	00	00	00	//	29f
	00	01	00	00	A8	00	04	3F	0B	00	00	00	01	00	00	86	//	2af
	01	0D	00	54	00	CA	01	00	01	18	00	8C	FE	05	04	01	//	2bf
	00	00	00	6B	00	07	0D	13	1A	1A	00	00	08	00	C4	01	//	2cf
	1C	00	19	02	00	00	05	05	0E	0E	0E	05	00	0B	00	FE	//	2df
	00	00	20	22	00	1C	9B	3F	8A	0A	95	40	03	12	04	02	//	2ef
	00	C8	01	15	00	12	00	79	03	00	00	00	00	00	01	01	//	2ff

NTSC HI8 ; 3 PAGE DATA(300~3FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
300	02	00	00	00	00	08	00	00	00	08	10	00	00	08	00	00	//	30f
	00	00	00	00	00	00	84	FF	02	00	00	A0	00	00	00	00	//	31f
	00	FF	81	00	00	0C	00	02	FF	FF	F5	02	01	00	08	00	//	32f
	00	00	00	00	00	01	03	FF	03	00	00	00	00	01	02	FF	//	33f
	00	0F	00	0F	01	00	00	00	03	03	FF	07	FF	00	00	00	//	34f
	FF	00	FF	00	00	00	00	FF	00	FF	00	00	00	88	04	7D	//	35f
	08	64	0A	49	02	C7	06	AC	09	A3	0C	88	00	88	0C	88	//	36f
	00	0B	01	02	00	88	30	00	00	01	03	00	00	00	00	6D	//	37f
	44	88	88	99	99	08	00	03	74	01	AD	00	02	02	09	2A	//	38f
	00	56	03	16	00	5B	03	11	00	20	00	FA	00	23	00	F7	//	39f
	43	00	87	66	22	00	97	43	00	87	25	00	D5	4F	00	53	//	3af
	00	00	00	00	00	00	0F	21	08	00	08	88	08	88	00	47	//	3bf
	01	11	0C	CC	04	00	59	00	5A	00	92	00	40	10	00	39	//	3cf
	A6	00	00	00	3E	C0	01	15	26	00	00	2A	25	25	25	00	//	3df
	40	1A	1B	00	40	85	85	85	00	00	00	01	FF	00	00	00	//	3ef
	00	00	17	00	FE	01	FF	01	FF	00	00	00	FE	20	00	00	//	3ff

NOTE: NTSC HI8 ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:HI8/NORMAL)

NTSC HI8 ; 4 PAGE DATA(400~4FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
400	03	00	03	80	01	01	FF	01	FF	C0	02	20	16	00	00	01	//	40f
	FF	03	FF	01	FF	01	FF	00	16	01	FF	00	00	03	FF	01	//	41f
	FF	01	FF	00	16	00	00	40	00	03	FF	01	FF	01	FF	A0	//	42f
	36	01	FF	01	FF	00	36	00	02	00	02	00	36	01	FF	41	//	43f
	FF	03	FF	01	FF	01	FF	03	FF	01	FF	01	FF	03	FF	01	//	44f
	FF	01	FF	20	16	00	00	00	00	03	FF	01	FF	01	FF	03	//	45f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	00	16	00	00	40	//	46f
	00	03	FF	01	FF	01	FF	20	10	01	FF	41	FF	03	FF	01	//	47f
	FF	01	FF	00	44	01	FF	41	FF	03	FF	01	FF	01	FF	03	//	48f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	44	01	FF	41	//	49f
	FF	03	FF	01	FF	01	FF	00	08	01	FF	41	FF	03	FF	01	//	4af
	FF	01	FF	03	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	//	4bf
	3A	00	00	00	00	03	FF	01	FF	01	FF	00	4E	00	00	00	//	4cf
	00	03	FF	01	FF	01	FF	00	16	00	17	00	17	03	FF	01	//	4df
	FF	01	FF	00	28	00	17	00	17	03	FF	01	FF	01	FF	20	//	4ef
	25	01	FF	41	FF	01	68	01	FF	41	FF	00	08	01	FF	41	//	4ff

NTSC HI8 ; 5 PAGE DATA(500~5FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
500	FF	03	FF	01	FF	01	FF	20	19	01	FF	41	FF	03	FF	01	//	50f
	FF	01	FF	00	25	01	FF	41	FF	03	FF	01	FF	01	FF	00	//	51f
	00	00	0A	00	0A	00	B0	03	FF	00	00	01	78	00	00	03	//	52f
	FF	03	FF	01	FF	01	FF	81	2C	01	FF	81	FF	01	2D	01	//	53f
	FF	C1	FF	01	36	01	FF	81	FF	01	37	01	FF	C1	FF	01	//	54f
	FF	01	FF	00	88	02	C7	22	00	97	21	00	25	00	47	01	//	55f
	68	41	FF	C2	04	01	FF	01	FF	00	36	00	02	00	02	C2	//	56f
	00	00	02	00	02	00	36	01	FF	01	FF	C2	04	00	02	00	//	57f
	02	00	36	01	FF	01	FF	30	00	80	02	00	00	00	0A	00	//	58f
	0A	01	21	03	FF	00	00	02	6A	00	00	03	FF	03	FF	01	//	59f
	FF	01	FF	FF	FF	FF	FF	94	52	47	1B	00	3B	00	3E	2E	//	5af
	00	00	00	00	40	80	80	70	50	60	54	54	54	55	FF	FF	//	5bf
	00	1D	00	18	00	16	00	0D	FF	FF	00	1D	00	0F	00	00	//	5cf
	01	01	01	01	04	04	03	02	55	55	88	44	87	80	01	02	//	5df
	01	02	16	17	17	18	00	12	2E	15	15	1A	59	5A	92	40	//	5ef
	49	4C	49	4C	48	4C	48	4C	78	66	66	71	71	13	FF	FF	//	5ff

NTSC HI8 ; 6 PAGE DATA(600~6FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
600	48	8C	20	00	00	85	11	03	03	F5	00	65	02	7F	00	A4	//	60f
	01	B8	00	06	03	03	00	65	65	08	8E	00	02	84	76	7E	//	61f
	04	2A	02	00	44	83	0D	00	02	14	02	F0	70	04	40	10	//	62f
	04	40	04	07	15	2C	4D	70	B4	F8	F8	04	07	15	2C	4D	//	63f
	70	B4	F8	F8	A5	15	F2	00	E0	02	DE	DE	00	C1	00	00	//	64f
	00	00	FA	00	33	88	21	48	11	A5	A5	68	E0	00	70	1B	//	65f
	E2	02	6B	1D	B9	3B	5C	22	A4	4A	76	10	E5	03	00	FF	//	66f
	C0	C0	00	38	04	03	00	00	00	00	00	00	10	D0	F4	00	//	67f
	00	00	65	50	01	00	00	00	00	00	00	00	00	00	00	00	//	68f
	1B	00	3B	07	FC	03	C3	00	00	00	01	00	0F	14	7F	03	//	69f
	FF	00	03	8D	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6af
	00	00	00	00	00	00	00	00	00	11	11	0B	00	00	00	12	//	6bf
	00	00	00	00	2B	07	4D	FF	80	00	80	00	00	00	22	60	//	6cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ef
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ff

NTSC HI8 ; 7 PAGE DATA(700~7FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
700	20	10	00	00	29	78	88	1B	88	C2	00	6A	33	1B	9F	50	//	70f
	21	16	05	2E	29	25	89	1C	80	B0	10	10	AA	24	48	14	//	71f
	00	17	18	2E	2D	00	1B	2D	B0	E1	16	05	2E	29	25	89	//	72f
	13	84	B0	10	10	99	1B	48	14	00	17	18	2E	9D	00	1B	//	73f
	9D	B0	81	1B	1B	24	C9	78	88	88	C2	03	29	00	50	A4	//	74f
	45	89	80	D4	AA	49	0C	0D	0D	B4	A4	05	89	84	D4	A9	//	75f
	49	0C	B4	00	49	2B	00	50	69	1C	00	50	00	00	00	00	//	76f
	04	34	34	34	34	10	10	60	1B	5B	5B	92	12	12	00	00	//	77f
	80	20	0A	3C	59	80	4A	0E	18	38	08	10	22	3B	FF	FB	//	78f
	B8	6E	59	80	15	AC	59	80	8C	7F	D4	C8	F9	6A	A4	0F	//	79f
	2C	74	72	0A	CA	88	01	96	60	F8	00	05	B5	AB	44	00	//	7af
	6C	6C	72	0C	00	C8	00	00	00	00	00	00	00	00	00	00	//	7bf
	74	8E	00	56	01	6F	01	74	00	5A	02	03	FF	FF	FF	FF	//	7cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	7df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	88	80	80	80	00	00	//	7ef
	00	00	00	00	00	FF	FF	FF	FF	FF	FF	FF	FF	01	14	FF	//	7ff

NTSC NORMAL MODEL INITIAL DATA (000~7FF)

NTSC NORMAL ; 0 PAGE DATA(000~0FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
000	01	46	67	A5	70	08	44	44	03	B0	75	3D	85	50	02	1C	//	f
	30	00	F6	00	FF	D2	01	74	A0	05	70	0B	80	B0	98	98	//	1f
	60	05	00	E5	80	38	A0	90	A0	48	48	80	80	30	40	30	//	2f
	40	0B	0B	12	01	23	00	B4	01	2A	01	2A	01	2B	01	28	//	3f
	64	43	C6	A0	9A	3E	6A	30	30	8E	94	20	00	08	00	80	//	4f
	06	05	40	0C	48	37	04	48	20	FF	40	FF	C1	FF	FF	48	//	5f
	80	00	19	7F	88	05	00	00	F9	19	09	1A	80	87	00	85	//	6f
	00	83	50	7C	09	11	10	68	F6	12	04	12	04	6C	60	60	//	7f
	1B	29	0C	02	A0	0E	39	13	54	8C	87	92	FF	93	50	01	//	8f
	00	00	32	00	DD	B8	31	66	36	16	00	10	3D	14	3D	3F	//	9f
	3D	B4	90	01	98	01	D2	00	F3	01	6C	81	21	87	07	0C	//	af
	0C	20	30	40	95	87	72	81	20	04	0E	02	34	D0	89	60	//	bf
	4C	42	DF	84	83	FD	87	00	C2	02	00	28	00	FF	FF	FF	//	cf
	FF	FF	FF	FF	FF	0B	FF	01	FF	FF	FF	FF	FF	FF	FF	A0	//	df
	1F	00	00	2B	00	DF	00	88	09	32	00	DF	00	F9	D4	ED	//	ef
	01	02	01	80	81	FF	FF	41	01	F4	02	77	03	C9	02	60	//	ff

NTSC NORMAL ; 1 PAGE DATA(100~1FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
100	00	04	00	00	00	20	00	10	00	00	40	6A	00	01	00	00	//	10f
	00	00	00	00	00	00	00	01	02	04	00	00	39	07	02	00	//	11f
	03	03	DE	00	01	0A	00	06	02	5D	01	2F	23	00	23	03	//	12f
	1D	03	1D	0F	17	00	70	01	28	01	2E	02	0C	09	01	06	//	13f
	0B	13	07	08	01	00	00	F1	11	28	35	4C	00	01	00	01	//	14f
	00	08	02	00	00	13	25	1F	31	2B	0D	37	19	17	04	0D	//	15f
	0A	13	10	01	16	07	11	28	35	4C	05	55	45	55	15	15	//	16f
	15	55	00	00	00	00	01	61	01	00	00	04	00	04	00	00	//	17f
	00	61	00	01	00	14	00	00	00	00	00	00	30	00	00	00	//	18f
	17	04	0D	0A	13	10	01	16	07	00	00	00	00	00	00	00	//	19f
	00	00	00	00	00	00	30	30	00	80	34	00	00	30	01	7E	//	1af
	00	83	00	23	00	00	00	7A	00	77	00	00	00	00	00	00	//	1bf
	02	00	00	01	50	01	B0	01	B0	01	50	00	F0	01	50	00	//	1cf
	F0	01	50	01	50	00	F0	01	50	00	F0	00	F0	00	90	00	//	1df
	90	00	F0	00	90	01	50	01	50	00	90	00	30	00	F0	00	//	1ef
	90	00	90	00	90	00	90	00	F0	00	30	00	48	00	00	01	//	1ff

NTSC NORMAL ; 2 PAGE DATA(200~2FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
200	00	00	00	00	00	00	70	00	00	00	00	00	00	00	00	00	//	20f
	00	00	00	00	00	00	00	00	00	00	00	00	01	1F	00	06	//	21f
	00	EC	00	00	00	00	1A	00	02	60	01	04	0F	01	0F	18	//	22f
	01	00	15	04	06	01	0B	14	00	13	3F	05	0D	00	08	34	//	23f
	09	01	BB	00	10	00	00	00	1F	00	01	00	01	FF	01	FF	//	24f
	01	FF	01	FF	04	DF	00	FF	02	9B	03	3B	01	EB	07	E0	//	25f
	00	FF	04	D5	01	BF	07	B3	05	83	00	7F	03	83	03	3A	//	26f
	03	36	00	A0	01	F3	01	18	12	04	0A	01	FF	00	00	00	//	27f
	01	10	00	C0	01	03	01	10	01	4E	01	25	B2	05	1A	00	//	28f
	01	00	00	00	68	00	D2	00	40	00	88	00	00	00	00	00	//	29f
	00	01	00	00	A8	00	04	35	02	00	00	00	01	00	00	64	//	2af
	00	BE	00	56	00	CA	01	00	01	18	00	8C	FE	05	04	01	//	2bf
	00	00	00	69	00	05	09	0E	11	11	00	00	08	00	87	01	//	2cf
	1C	00	17	02	00	00	05	05	0E	0E	0E	05	00	0B	00	FE	//	2df
	00	00	20	22	00	14	A8	44	90	10	A2	48	03	12	04	02	//	2ef
	00	A0	00	0E	00	12	00	79	02	00	00	00	00	00	01	01	//	2ff

NTSC NORMAL ; 3 PAGE DATA(300~3FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
300	02	00	00	00	00	08	00	00	00	08	10	00	00	08	00	00	//	30f
	00	00	00	00	00	00	84	FF	02	00	00	A0	00	00	00	00	//	31f
	00	FF	7F	00	00	0C	00	02	FF	FF	01	02	01	00	08	56	//	32f
	00	00	00	00	00	01	03	FF	03	00	00	00	00	01	02	FF	//	33f
	00	0F	00	0F	01	00	00	00	03	03	FF	07	FF	00	00	00	//	34f
	FF	00	FF	00	00	00	00	FF	00	FF	00	00	00	88	04	7D	//	35f
	08	64	0A	49	02	C7	06	AC	09	A3	0C	88	00	88	0C	88	//	36f
	00	0B	01	02	00	88	30	00	00	01	03	00	00	00	00	6D	//	37f
	44	88	88	99	99	08	00	03	74	01	AD	00	02	02	09	2A	//	38f
	00	56	03	16	00	5B	03	11	00	18	01	00	00	1B	00	FD	//	39f
	43	00	87	66	22	00	97	43	00	87	25	00	D5	4F	00	53	//	3af
	00	00	00	00	00	00	0F	21	08	00	08	88	08	88	00	48	//	3bf
	01	11	0C	CC	04	00	59	00	5A	00	92	00	40	00	00	5E	//	3cf
	6B	00	00	00	3E	41	00	11	22	00	00	25	25	25	25	00	//	3df
	40	1A	1B	00	40	85	85	85	00	00	00	01	FF	02	00	00	//	3ef
	00	00	14	00	FC	01	FF	01	FF	02	00	01	20	20	00	00	//	3ff

NOTE: NTSC NORMAL ADDR.3CD~552 :CVF MODEL (CVF ONLY:HI8/NORMAL)

NTSC NORMAL ; 4 PAGE DATA(400~4FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
400	2C	00	2B	10	04	01	FF	01	FF	40	03	20	32	00	00	C1	//	40f
	FF	03	FF	01	FF	01	FF	00	32	00	00	01	FF	03	FF	01	//	41f
	FF	01	FF	00	32	00	00	40	00	03	FF	01	FF	01	FF	20	//	42f
	32	00	00	00	00	03	FF	01	FF	01	FF	03	FF	01	FF	01	//	43f
	FF	03	FF	01	FF	01	FF	00	32	00	00	40	00	03	FF	01	//	44f
	FF	01	FF	30	32	00	00	03	00	03	FF	01	FF	01	FF	00	//	45f
	32	01	FF	00	00	03	FF	01	FF	01	FF	00	32	00	00	40	//	46f
	00	03	FF	01	FF	01	FF	21	83	03	F1	03	F1	01	83	03	//	47f
	FF	03	F7	01	6A	00	F7	03	FF	03	FF	01	FF	01	FF	03	//	48f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	64	01	FF	41	//	49f
	FF	00	14	01	FF	41	FF	02	26	01	FF	41	FF	00	28	01	//	4af
	FF	41	FF	00	3C	01	FF	41	FF	00	50	01	FF	41	FF	00	//	4bf
	11	01	FF	41	FF	03	FF	01	FF	01	FF	00	38	01	FF	41	//	4cf
	FF	03	FF	01	FF	01	FF	20	38	01	FF	41	FF	00	11	01	//	4df
	FF	41	FF	00	11	01	FF	41	FF	03	FF	01	FF	01	FF	A0	//	4ef
	84	01	FF	81	FF	00	84	01	FF	C1	FF	00	95	01	FF	81	//	4ff

NTSC NORMAL ; 5 PAGE DATA(500~5FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
500	FF	00	95	01	FF	C1	FF	21	90	00	1D	01	FF	01	90	01	//	50f
	FF	00	1C	01	90	00	1F	01	FF	01	90	01	FF	00	1E	00	//	51f
	00	00	0A	00	0A	00	B0	03	FF	00	00	01	78	00	00	03	//	52f
	FF	03	FF	01	FF	01	FF	60	64	01	FF	C1	FF	00	62	01	//	53f
	FF	81	FF	00	6E	01	FF	C1	FF	00	6C	01	FF	81	FF	00	//	54f
	00	01	FF	00	88	02	C7	22	00	97	21	00	25	00	47	01	//	55f
	68	41	FF	C2	04	01	FF	01	FF	00	36	00	02	00	02	C2	//	56f
	00	00	02	00	02	00	36	01	FF	01	FF	C2	04	00	02	00	//	57f
	02	00	36	01	FF	01	FF	30	00	80	02	00	00	00	0A	00	//	58f
	0A	01	21	03	FF	00	00	02	6A	00	00	03	FF	03	FF	01	//	59f
	FF	01	FF	FF	FF	FF	FF	94	52	47	43	00	47	00	3E	2E	//	5af
	00	00	00	00	40	80	80	70	50	60	54	54	54	55	FF	FF	//	5bf
	00	1D	00	18	00	16	00	0D	FF	FF	00	1D	00	0F	00	00	//	5cf
	01	01	01	01	04	04	03	02	55	55	88	44	87	80	01	02	//	5df
	01	02	16	17	17	18	00	12	2E	15	15	1A	59	5A	92	40	//	5ef
	49	4C	49	4C	48	4C	48	4C	78	66	66	71	71	13	FF	FF	//	5ff

NTSC NORMAL ; 6 PAGE DATA(600~6FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
600	48	8C	00	00	00	5E	11	F0	01	F5	00	92	01	7F	00	A4	//	60f
	01	B8	00	06	03	03	00	3D	3D	08	8E	60	02	84	4C	54	//	61f
	04	2A	02	00	44	83	0D	00	12	04	02	F0	70	04	40	10	//	62f
	04	40	04	07	15	2C	4D	70	B4	F8	F8	04	07	15	2C	4D	//	63f
	70	B4	F8	F8	60	15	F2	00	FE	01	DE	DE	00	C1	00	00	//	64f
	00	00	06	00	33	88	21	48	11	A5	A5	68	E0	00	73	1E	//	65f
	EA	06	6A	20	BD	3F	5F	25	A8	4E	76	10	E5	03	00	FF	//	66f
	C0	C0	00	38	04	03	00	00	00	00	00	00	10	D0	F4	00	//	67f
	00	00	65	50	01	00	00	00	00	00	00	00	00	00	00	00	//	68f
	1B	00	3B	07	FC	03	C3	00	00	00	01	00	0F	14	7F	03	//	69f
	FF	07	02	5D	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6af
	00	00	00	00	00	00	00	00	00	11	11	0B	00	00	00	12	//	6bf
	00	00	00	00	2B	07	4D	FF	80	00	80	00	00	00	22	60	//	6cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ef
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ff

NTSC NORMAL ; 7 PAGE DATA(700~7FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
700	20	10	00	00	29	78	88	1B	88	C2	00	6A	33	1B	9F	50	//	70f
	21	16	05	2E	29	25	89	1C	80	B0	10	10	AA	24	48	14	//	71f
	00	17	18	2E	2D	00	1B	2D	B0	E1	16	05	2E	29	25	89	//	72f
	13	80	B0	10	10	99	1B	48	14	00	17	18	2E	9D	00	1B	//	73f
	9D	B0	81	1B	1B	24	C9	78	88	88	C2	03	29	00	50	A4	//	74f
	80	89	80	D4	AA	49	0C	0D	0D	B4	A4	05	89	84	D4	A9	//	75f
	49	0C	B4	95	49	2B	00	50	69	1C	00	50	00	00	00	00	//	76f
	04	34	34	34	34	10	10	60	1B	5B	5B	92	12	12	00	00	//	77f
	80	20	0A	3C	59	80	4A	0E	18	38	08	10	22	3B	FF	FB	//	78f
	B8	6E	59	80	15	AC	59	80	8C	7F	D4	C8	F9	6A	A4	0F	//	79f
	2C	74	72	0A	CA	88	01	96	60	F8	00	05	B5	AB	44	00	//	7af
	6C	6C	72	0C	00	C8	00	00	00	00	00	00	00	00	00	00	//	7bf
	74	8E	00	56	01	6F	01	74	00	5A	02	03	FF	FF	FF	FF	//	7cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	7df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	88	80	80	80	00	00	//	7ef
	00	00	00	00	00	FF	FF	FF	FF	FF	FF	FF	FF	01	14	FF	//	7ff

NOTE: PAL HI8 ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:HI8/NORMAL) DATA

NOTE: PAL NORMAL ADDR.3CD~552 :CVF MODEL (CVF ONLY:HI8/NORMAL) DATA

PAL HI8 MODEL INITIAL DATA (000~7FF)

PAL HI8 ; 0 PAGE DATA(000~0FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
000	02	C6	67	A5	70	08	44	44	03	B0	75	3D	85	50	02	1C	//	f
	30	01	23	01	78	D2	01	74	D0	05	70	0B	80	B0	98	98	//	1f
	60	08	00	E5	80	38	A0	90	A0	48	48	80	80	38	48	38	//	2f
	40	08	08	12	01	42	00	C8	01	48	00	01	01	60	01	3B	//	3f
	64	42	C6	AC	95	3D	60	30	30	94	9C	1A	00	08	00	80	//	4f
	06	05	40	0C	48	37	04	48	20	FF	40	FF	C1	FF	FF	49	//	5f
	80	00	19	7F	88	01	00	00	F9	1E	0B	1A	80	87	00	85	//	6f
	00	83	50	7C	09	00	10	68	F6	12	04	12	04	20	2C	2C	//	7f
	1B	29	0C	02	A0	0E	39	13	55	8C	87	92	7A	A7	50	01	//	8f
	00	00	32	01	4E	B8	31	66	36	16	00	17	7E	30	3E	4C	//	9f
	BB	96	A1	01	9C	01	B8	00	91	01	6C	81	21	87	07	0C	//	af
	0C	20	30	40	95	87	72	81	20	04	0E	02	34	E0	89	60	//	bf
	4C	42	DF	84	83	FD	87	00	C2	02	00	28	00	FF	FF	FF	//	cf
	FF	FF	FF	FF	FF	0B	FF	01	FF	FF	FF	FF	FF	FF	FF	A0	//	df
	1F	00	00	36	01	0F	00	88	09	3C	01	0D	EC	FA	D1	E8	//	ef
	01	2F	01	78	00	FF	FF	41	01	F2	02	8E	03	B0	02	D0	//	ff

PAL HI8 ; 1 PAGE DATA(100~1FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
100	00	04	00	00	00	20	00	10	00	00	40	6A	00	01	00	00	//	10f
	00	00	00	00	00	00	00	02	01	02	03	00	00	00	00	00	//	11f
	01	08	00	00	01	02	00	06	03	8F	01	C7	32	00	32	02	//	12f
	31	02	31	17	23	00	A0	01	BC	01	C4	02	70	08	01	05	//	13f
	0A	13	06	07	01	00	03	C4	19	3C	51	74	00	01	00	95	//	14f
	00	06	02	00	00	17	32	29	44	3B	0E	4D	20	2A	05	16	//	15f
	10	21	1B	01	26	0C	19	3c	51	74	05	55	45	55	15	15	//	16f
	15	55	00	00	00	00	01	91	01	00	00	04	00	04	00	00	//	17f
	00	91	00	01	00	14	00	00	00	00	00	00	30	00	00	00	//	18f
	17	02	0E	08	14	0E	02	14	08	00	00	00	00	00	00	00	//	19f
	00	00	00	00	00	00	30	30	00	80	34	00	00	30	01	77	//	1af
	00	85	00	32	00	00	00	00	00	00	00	00	00	00	00	00	//	1bf
	00	00	00	01	50	01	B0	01	B0	01	50	00	F0	01	50	00	//	1cf
	F0	01	50	01	50	00	F0	01	50	00	F0	00	F0	00	90	00	//	1df
	90	00	F0	00	90	01	50	01	50	00	90	00	30	00	F0	00	//	1ef
	90	00	90	00	90	00	90	00	F0	00	30	00	6B	00	00	01	//	1ff

PAL HI8 ; 2 PAGE DATA(200~2FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
200	00	00	00	00	00	00	70	00	00	00	00	00	00	00	00	00	//	20f
	00	00	00	00	00	00	00	00	00	00	00	00	01	2E	00	06	//	21f
	01	1C	00	00	00	00	0C	00	02	60	0B	04	0F	01	0F	18	//	22f
	01	00	15	04	06	01	0B	12	00	13	3F	05	0F	00	08	37	//	23f
	09	01	C4	00	12	00	00	00	1F	00	02	00	01	FF	01	FF	//	24f
	01	FF	01	FF	04	BB	00	FF	03	C1	07	23	01	BC	07	61	//	25f
	00	FF	04	D0	01	D4	07	E8	05	AA	00	8D	03	90	03	45	//	26f
	03	38	00	B9	01	F0	01	18	12	04	0A	01	FF	00	00	00	//	27f
	01	48	00	D0	01	50	00	01	01	68	01	40	B2	02	1E	00	//	28f
	01	00	00	00	6A	00	D2	00	60	00	88	00	00	00	00	00	//	29f
	00	01	00	00	A8	00	04	3F	0B	00	00	00	01	00	00	96	//	2af
	01	1A	00	68	00	F0	01	00	01	18	00	8C	FE	05	04	01	//	2bf
	00	00	00	6B	00	08	0D	15	1A	1A	00	00	08	00	C4	01	//	2cf
	1C	00	19	02	00	00	06	06	11	11	11	05	00	0C	01	2E	//	2df
	00	00	21	23	00	1C	A8	3F	8A	10	A2	3B	03	12	04	02	//	2ef
	00	C8	01	15	00	12	00	91	03	00	00	00	00	00	01	01	//	2ff

PAL HI8 ; 3 PAGE DATA(300~3FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
300	02	00	00	00	00	08	00	00	00	08	10	00	00	08	00	00	//	30f
	83	00	00	00	00	00	84	FF	02	00	00	A0	00	00	00	00	//	31f
	00	FF	81	00	00	0C	00	04	FF	FF	F5	02	01	00	08	00	//	32f
	00	00	00	00	00	01	03	FF	03	00	00	00	00	01	02	F8	//	33f
	00	13	00	13	01	3F	00	00	03	03	FF	07	FF	00	00	00	//	34f
	FF	00	FF	00	00	00	00	FF	00	FF	00	00	00	88	04	7D	//	35f
	08	64	0A	49	02	C7	06	AC	09	A3	0C	88	00	88	0C	88	//	36f
	00	0B	01	3A	00	88	30	00	00	01	03	00	00	00	00	6D	//	37f
	44	88	88	99	99	08	00	03	80	01	B8	00	02	02	70	33	//	38f
	00	5C	03	16	00	60	03	11	00	20	01	30	00	23	01	2D	//	39f
	43	00	87	66	22	00	AD	43	00	81	25	00	D9	5C	00	60	//	3af
	00	00	00	00	00	00	0F	21	08	00	08	88	08	88	00	47	//	3bf
	01	11	0C	CC	04	00	59	00	5A	00	92	00	40	10	00	68	//	3cf
	C0	00	00	00	3E	C0	01	15	26	00	00	2A	25	25	25	00	//	3df
	40	1A	1B	00	40	85	85	85	00	00	00	01	FF	00	00	00	//	3ef
	00	00	17	01	2F	00	12	00	14	00	8F	01	20	20	00	00	//	3ff

NOTE: PAL HI8 ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:HI8/NORMAL)

PAL HI8 ; 4 PAGE DATA(400~4FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
400	03	00	03	80	01	01	FF	01	FF	C0	02	20	16	00	00	01	//	40f
	FF	03	FF	01	FF	01	FF	00	16	01	FF	00	00	03	FF	01	//	41f
	FF	01	FF	00	16	00	00	40	00	03	FF	01	FF	01	FF	A0	//	42f
	36	01	FF	01	FF	00	36	00	02	00	02	00	36	01	FF	41	//	43f
	FF	03	FF	01	FF	01	FF	03	FF	01	FF	01	FF	03	FF	01	//	44f
	FF	01	FF	20	16	00	00	00	00	03	FF	01	FF	01	FF	03	//	45f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	00	16	00	00	40	//	46f
	00	03	FF	01	FF	01	FF	20	10	01	FF	41	FF	03	FF	01	//	47f
	FF	01	FF	00	44	01	FF	41	FF	03	FF	01	FF	01	FF	03	//	48f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	44	01	FF	41	//	49f
	FF	03	FF	01	FF	01	FF	00	08	01	FF	41	FF	03	FF	01	//	4af
	FF	01	FF	03	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	//	4bf
	3A	00	00	00	00	03	FF	01	FF	01	FF	00	4E	00	00	00	//	4cf
	00	03	FF	01	FF	01	FF	00	16	00	1C	00	1C	03	FF	01	//	4df
	FF	01	FF	00	28	00	1C	00	1C	03	FF	01	FF	01	FF	20	//	4ef
	25	01	FF	41	FF	01	68	01	FF	41	FF	00	08	01	FF	41	//	4ff

PAL HI8 ; 5 PAGE DATA(500~5FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
500	FF	03	FF	01	FF	01	FF	20	19	01	FF	41	FF	03	FF	01	//	50f
	FF	01	FF	00	25	01	FF	41	FF	03	FF	01	FF	01	FF	00	//	51f
	00	00	0A	00	0A	00	C0	03	FF	00	00	02	9D	00	00	03	//	52f
	FF	03	FF	01	FF	01	FF	81	2C	01	FF	81	FF	01	2D	01	//	53f
	FF	C1	FF	01	36	01	FF	81	FF	01	37	01	FF	C1	FF	01	//	54f
	FF	01	FF	00	88	02	C7	22	00	AD	2B	00	2F	00	47	01	//	55f
	68	41	FF	C2	04	01	FF	01	FF	00	72	00	02	00	02	C2	//	56f
	00	00	02	00	02	00	72	01	FF	01	FF	C2	04	00	02	00	//	57f
	02	00	72	01	FF	01	FF	30	00	80	02	00	00	00	0A	00	//	58f
	0A	01	40	03	FF	00	00	02	65	00	00	03	FF	03	FF	01	//	59f
	FF	01	FF	FF	FF	FF	FF	94	52	47	38	00	42	00	3E	2E	//	5af
	00	00	00	00	40	80	80	70	A9	5C	54	54	54	55	FF	FF	//	5bf
	00	3A	00	1D	00	2C	00	11	FF	FF	00	3A	00	11	00	FF	//	5cf
	FF	FF	FF	FF	FF	FF	FF	FF	55	55	88	44	81	80	01	02	//	5df
	01	02	10	11	11	12	00	12	2E	15	15	1A	59	5A	92	40	//	5ef
	49	4C	49	4C	48	4C	48	4C	78	66	66	71	71	13	FF	FF	//	5ff

PAL HI8 ; 6 PAGE DATA(600~6FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
600	48	8C	60	00	00	83	16	00	03	22	01	70	02	A6	00	A3	//	60f
	02	B8	00	06	03	03	00	63	63	08	90	2C	03	04	84	8C	//	61f
	04	2A	02	00	44	83	0D	00	1F	02	02	F0	70	04	40	10	//	62f
	04	40	08	0D	1B	32	57	82	C0	F0	F0	08	0D	1B	32	57	//	63f
	82	C0	F0	F0	C4	1E	16	01	94	02	DE	DE	00	C1	00	00	//	64f
	00	00	06	00	33	88	21	48	11	A5	A5	68	E0	00	8B	24	//	65f
	E8	02	81	26	B3	32	6F	2B	B3	5B	8D	10	DC	06	00	FF	//	66f
	C0	C0	00	38	04	03	00	00	00	00	00	00	10	D0	F4	00	//	67f
	00	00	75	50	01	00	00	00	00	00	00	00	00	00	00	00	//	68f
	17	00	42	07	FC	03	C3	00	00	00	01	00	0F	14	7F	03	//	69f
	FF	00	03	8F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6af
	00	00	00	00	00	00	00	00	00	11	11	0B	00	00	00	12	//	6bf
	00	00	00	00	2B	07	4D	FF	80	00	80	00	00	00	22	60	//	6cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ef
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ff

PAL HI8 ; 7 PAGE DATA(700~7FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
700	78	10	00	00	29	78	88	1B	88	C2	00	6A	13	1B	9F	50	//	70f
	79	1E	1B	2E	27	25	CA	1C	80	B0	10	10	A9	24	48	14	//	71f
	00	1F	18	2E	2D	00	1B	2D	B0	F1	16	1B	2E	27	25	8A	//	72f
	13	80	B0	10	10	99	1B	48	14	00	17	18	2E	9D	00	1B	//	73f
	9D	B0	59	1B	1B	7C	E9	78	88	88	C2	03	29	00	50	A4	//	74f
	80	CA	80	D4	A9	49	0C	0D	0D	B4	A4	05	8A	84	D4	99	//	75f
	49	0C	B4	95	49	2A	00	50	69	1C	00	50	00	00	00	00	//	76f
	04	34	34	34	34	10	10	60	1B	5B	5B	12	12	12	00	00	//	77f
	86	24	0A	3C	64	9C	40	06	18	38	08	10	22	3B	FF	FB	//	78f
	B8	6E	64	9C	15	AC	64	9C	8C	7F	D4	C8	F9	6A	A4	0F	//	79f
	2C	74	72	0A	CA	88	01	96	60	F8	00	05	B5	8B	44	00	//	7af
	7E	6C	72	0A	00	C8	00	00	00	00	00	00	00	00	00	00	//	7bf
	72	8C	00	56	01	6F	01	6F	00	56	02	03	14	12	FF	FF	//	7cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	7df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	88	80	80	80	00	00	//	7ef
	00	00	00	00	00	FF	FF	FF	FF	FF	FF	FF	FF	01	14	FF	//	7ff

NOTE: PAL NORMAL ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:NORMAL/NORMAL) DATA
NOTE: PAL NORMAL ADDR.3CD~552 :CVF MODEL (CVF ONLY:NORMAL/NORMAL) DATA

PAL NORMAL MODEL INITIAL DATA (000~7FF)
PAL NORMAL ; 0 PAGE DATA(000~0FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
000	03	46	67	A5	70	08	44	44	03	B0	75	3D	85	50	02	1C	//	f
	30	01	23	00	FA	2D	01	74	D0	05	70	0B	80	88	98	98	//	1f
	60	05	00	E5	80	38	A0	90	A0	48	48	80	80	30	40	30	//	2f
	40	0B	0B	12	01	42	00	C8	01	48	00	13	01	60	01	3B	//	3f
	64	52	C6	AA	95	3E	69	30	30	94	9A	1A	00	08	00	80	//	4f
	06	05	40	0C	48	37	04	48	20	FF	40	FF	C1	FF	FF	48	//	5f
	80	00	19	7F	88	01	00	00	F9	1E	0B	1A	80	87	00	85	//	6f
	00	83	50	7C	09	00	10	68	F6	12	04	12	04	20	2C	2C	//	7f
	1B	29	0C	02	A0	0E	39	13	54	8B	87	92	FF	C1	50	01	//	8f
	00	00	32	00	DD	B8	31	66	36	16	00	16	7E	30	3E	4C	//	9f
	60	96	A2	01	82	01	CC	00	E5	01	6C	81	21	87	07	0C	//	af
	0C	20	30	40	95	87	72	81	20	04	0E	02	34	C8	89	60	//	bf
	4C	42	DF	84	83	FD	87	00	C2	02	00	28	00	FF	FF	FF	//	cf
	FF	FF	FF	FF	FF	0B	FF	01	FF	FF	FF	FF	FF	FF	FF	A0	//	df
	1F	00	00	36	01	11	00	88	09	3C	01	0D	EF	FB	CA	E9	//	ef
	01	2B	01	78	7E	FF	FF	41	01	F2	02	8E	03	B0	02	D0	//	ff

PAL NORMAL ; 1 PAGE DATA(100~1FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
100	00	04	00	00	00	20	00	10	00	00	40	6A	00	01	00	00	//	10f
	00	00	00	00	00	00	00	03	02	04	05	00	01	06	02	00	//	11f
	03	08	0E	00	01	0A	00	06	02	60	01	30	23	00	23	02	//	12f
	1D	02	1D	0F	17	00	6A	01	28	01	2E	02	70	07	01	06	//	13f
	09	11	06	07	01	00	00	F8	11	28	35	4D	00	01	00	01	//	14f
	00	06	02	00	00	13	25	1F	31	2B	0D	37	19	17	04	0D	//	15f
	0A	13	10	01	16	07	11	28	35	4D	05	55	45	55	15	15	//	16f
	15	55	00	00	00	00	01	61	01	00	00	04	00	04	00	00	//	17f
	00	61	00	01	00	13	00	00	00	00	00	00	30	00	00	00	//	18f
	17	04	0D	0A	13	10	01	16	07	00	00	00	00	00	00	00	//	19f
	00	00	00	00	00	00	30	30	00	80	34	00	00	30	01	76	//	1af
	00	83	00	23	00	00	00	7B	00	50	00	00	00	00	00	00	//	1bf
	02	00	00	01	50	01	B0	01	B0	01	50	00	F0	01	50	00	//	1cf
	F0	01	50	01	50	00	F0	01	50	00	F0	00	F0	00	90	00	//	1df
	90	00	F0	00	90	01	50	01	50	00	90	00	30	00	F0	00	//	1ef
	90	00	90	00	90	00	90	00	F0	00	30	00	48	00	00	01	//	1ff

PAL NORMAL ; 2 PAGE DATA(200~2FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
200	00	00	00	00	00	00	70	00	00	00	00	00	00	00	00	00	//	20f
	00	00	00	00	00	00	00	00	00	00	00	00	01	1F	00	06	//	21f
	01	1C	00	00	00	00	0C	00	02	60	01	04	0F	01	0F	18	//	22f
	01	00	15	04	06	01	0B	12	00	13	3F	05	0F	00	08	32	//	23f
	09	01	C0	00	10	00	00	00	1F	00	02	00	01	FF	01	FF	//	24f
	01	FF	01	FF	04	DB	00	FF	02	A3	03	3B	01	E4	07	D0	//	25f
	00	FF	04	C5	01	D4	07	E7	05	AA	00	8D	03	8C	03	2C	//	26f
	03	40	00	C5	01	AE	01	1F	12	04	0A	01	FF	00	00	00	//	27f
	01	2A	00	E2	01	20	00	24	01	60	01	2D	B2	02	1D	00	//	28f
	01	00	00	00	69	00	2D	00	60	00	88	00	00	00	00	00	//	29f
	00	01	00	00	A8	00	04	35	02	00	00	00	01	00	00	60	//	2af
	00	B8	00	68	00	F0	01	00	01	18	00	8C	FE	05	04	01	//	2bf
	00	00	00	69	00	05	09	0E	11	11	00	00	08	00	85	01	//	2cf
	1C	00	17	02	00	00	06	06	11	11	11	05	00	0C	01	2E	//	2df
	00	00	21	23	00	1A	A6	3C	8F	10	A2	38	03	12	04	02	//	2ef
	00	A0	00	0E	00	12	00	91	02	00	00	00	00	00	01	01	//	2ff

PAL NORMAL ; 3 PAGE DATA(300~3FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
300	02	00	00	00	00	08	00	00	00	08	10	00	00	08	00	00	//	30f
	00	00	00	00	00	00	84	FF	02	00	00	A0	00	00	00	00	//	31f
	00	FF	7F	00	00	0C	00	08	FF	FF	01	02	01	00	08	56	//	32f
	00	00	00	00	00	01	03	FF	03	00	00	00	00	01	02	F8	//	33f
	00	13	00	13	01	3F	00	00	03	03	FF	07	FF	00	00	00	//	34f
	FF	00	FF	00	00	00	00	FF	00	FF	00	00	00	88	04	7D	//	35f
	08	64	0A	49	02	C7	06	AC	09	A3	0C	88	00	88	0C	88	//	36f
	00	0B	01	3A	00	88	30	00	00	01	03	00	00	00	00	6D	//	37f
	44	88	88	99	99	08	02	03	80	01	B8	00	02	02	70	33	//	38f
	00	65	03	16	00	6A	03	11	00	1E	01	30	00	23	01	2D	//	39f
	43	00	87	66	22	00	AD	43	00	81	25	00	E8	5C	00	60	//	3af
	00	00	00	00	00	00	0F	21	08	00	08	88	08	88	00	47	//	3bf
	01	11	0C	CC	04	00	59	00	5A	00	92	00	40	00	00	60	//	3cf
	00	00	00	00	3E	41	00	11	22	00	00	25	25	25	25	00	//	3df
	40	1A	1B	00	40	85	85	85	00	00	00	01	FF	02	00	00	//	3ef
	00	00	14	01	2F	00	12	00	0E	00	92	01	30	20	00	00	//	3ff

NOTE: PAL NORMAL ADDR.3CD~552 :NON-CVF MODEL (LCD/EVF:NORMAL/NORMAL)

PAL NORMAL ; 4 PAGE DATA(400~4FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
400	32	00	31	10	04	01	FF	04	FF	40	03	28	32	00	00	C1	//	40f
	FF	03	FF	01	FF	01	FF	00	32	00	00	01	FF	03	FF	01	//	41f
	FF	01	FF	00	32	00	00	40	00	03	FF	01	FF	01	FF	20	//	42f
	32	00	00	00	00	03	FF	01	FF	01	FF	03	FF	01	FF	01	//	43f
	FF	03	FF	01	FF	01	FF	00	32	00	00	40	00	03	FF	01	//	44f
	FF	01	FF	30	32	00	00	03	00	03	FF	01	FF	01	FF	00	//	45f
	32	01	FF	00	00	03	FF	01	FF	01	FF	00	32	00	00	40	//	46f
	00	03	FF	01	FF	01	FF	21	83	03	F1	03	F1	01	83	03	//	47f
	FF	03	F7	01	6A	00	F7	03	FF	03	FF	01	FF	01	FF	03	//	48f
	FF	01	FF	01	FF	03	FF	01	FF	01	FF	20	64	01	FF	41	//	49f
	FF	00	14	01	FF	41	FF	02	26	01	FF	41	FF	00	28	01	//	4af
	FF	41	FF	00	3C	01	FF	41	FF	00	50	01	FF	41	FF	00	//	4bf
	11	01	FF	41	FF	03	FF	01	FF	01	FF	00	38	01	FF	41	//	4cf
	FF	03	FF	01	FF	01	FF	20	38	01	FF	41	FF	00	11	01	//	4df
	FF	41	FF	00	11	01	FF	41	FF	03	FF	01	FF	01	FF	A0	//	4ef
	84	01	FF	81	FF	00	84	01	FF	C1	FF	00	8F	01	FF	81	//	4ff

PAL NORMAL ; 5 PAGE DATA(500~5FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
500	FF	00	8F	01	FF	C1	FF	21	90	00	24	01	FF	01	90	01	//	50f
	FF	00	24	01	90	00	26	01	FF	01	90	01	FF	00	26	00	//	51f
	00	00	0A	00	0A	00	80	03	FF	00	01	02	A0	00	00	03	//	52f
	FF	03	FF	01	FF	01	FF	60	64	01	FF	C1	FF	00	62	01	//	53f
	FF	81	FF	00	6E	01	FF	C1	FF	00	6C	01	FF	81	FF	00	//	54f
	00	01	FF	00	88	03	B7	22	00	AD	2B	00	2F	00	47	01	//	55f
	68	41	FF	C2	04	01	FF	01	FF	00	56	00	02	00	02	C2	//	56f
	00	00	02	00	02	00	56	01	FF	01	FF	C2	04	00	02	00	//	57f
	02	00	56	01	FF	01	FF	30	00	80	02	00	00	00	0A	00	//	58f
	0A	00	FF	03	FF	00	01	02	6C	00	00	03	FF	03	FF	01	//	59f
	FF	01	FF	FF	FF	FF	FF	94	52	47	43	00	47	00	3E	2E	//	5af
	00	00	00	00	40	80	80	70	50	60	54	54	54	55	FF	FF	//	5bf
	00	1D	00	1D	00	16	00	17	FF	FF	00	1D	00	15	00	FF	//	5cf
	FF	FF	FF	FF	FF	FF	FF	FF	55	55	88	44	81	80	01	02	//	5df
	01	02	10	11	11	12	00	12	2E	15	15	1A	59	5A	92	40	//	5ef
	49	4C	49	4C	48	4C	48	4C	78	66	66	71	71	13	FF	FF	//	5ff

PAL NORMAL ; 6 PAGE DATA(600~6FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
600	48	8C	40	00	00	5E	14	00	02	22	01	8D	01	A4	00	A3	//	60f
	02	B9	00	06	03	03	00	3D	3D	08	8E	2C	02	04	52	5A	//	61f
	04	2A	02	00	44	83	0D	00	1F	00	02	F0	70	04	40	10	//	62f
	04	40	08	0D	1B	32	57	82	C0	F0	F0	08	0D	1B	32	57	//	63f
	82	C0	F0	F0	60	1E	16	01	D0	01	DE	DE	00	C1	00	00	//	64f
	00	00	FA	00	33	88	21	48	11	A5	A5	68	E0	00	8B	24	//	65f
	E7	01	81	26	B2	31	6F	2B	A6	4E	8D	10	DC	06	00	FF	//	66f
	C0	C0	00	38	04	03	00	00	00	00	00	00	10	D0	F4	00	//	67f
	00	00	75	50	01	00	00	00	00	00	00	00	00	00	00	00	//	68f
	17	00	42	07	FC	03	C3	00	00	00	01	00	0F	14	7F	03	//	69f
	FF	04	02	5F	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6af
	00	00	00	00	00	00	00	00	00	11	11	0B	00	00	00	12	//	6bf
	00	00	00	00	2B	07	4D	FF	80	00	80	00	00	00	22	60	//	6cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ef
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	6ff

PAL NORMAL ; 7 PAGE DATA(700~7FF)

	// 0	1	2	3	4	5	6	7	8	9	a	b	c	d	e	f		
700	78	10	00	00	29	78	88	1B	88	C2	00	6A	13	1B	9F	50	//	70f
	79	1E	1B	2E	27	25	CA	1C	80	B0	10	10	A9	24	48	14	//	71f
	00	1F	18	2E	2D	00	1B	2D	B0	F1	16	1B	2E	29	25	8A	//	72f
	13	80	B0	10	10	99	1B	48	14	00	17	18	2E	9D	00	1B	//	73f
	9D	B0	59	1B	1B	7C	E9	78	88	88	C2	03	29	00	50	A4	//	74f
	80	CA	80	D4	A9	49	0C	0D	0D	B4	A4	05	8A	84	D4	99	//	75f
	49	0C	B4	95	49	2A	00	50	69	1C	00	50	00	00	00	00	//	76f
	04	34	34	34	34	10	10	60	1B	5B	5B	12	12	12	00	00	//	77f
	86	24	0A	3C	64	9C	40	06	18	38	08	10	22	3B	FF	FB	//	78f
	B8	6E	64	9C	15	AC	64	9C	8C	7F	D4	C8	F9	6A	A4	0F	//	79f
	2C	74	72	0A	CA	88	01	96	60	F8	00	05	B5	8B	44	00	//	7af
	6C	6C	72	0C	00	C8	00	00	00	00	00	00	00	00	00	00	//	7bf
	72	8C	00	56	01	6F	01	6F	00	56	02	03	14	12	FF	FF	//	7cf
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	//	7df
	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	88	80	80	80	00	00	//	7ef
	00	00	00	00	00	FF	FF	FF	FF	FF	FF	FF	FF	01	14	FF	//	7ff

4-2-2 Camera System Adjustment

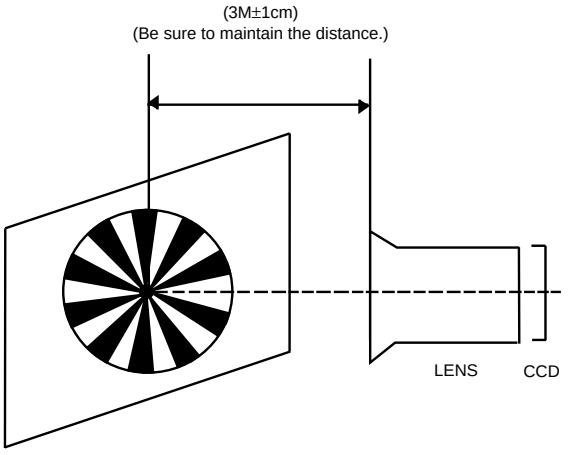
Note : The on-screen display information.
"XX XX" means arbitrary value.
It can be different number depend on the conditions.

0DE	XX	XX

1. Focus to zoom tracking

Notes : To maintain proper focus throughout the zoom range, the focus lens position must be changed as the zoom lens is moved.
During this adjustment the microprocessor will measure the focus positioning requirements at the wide and telephoto position of the zoom lens.

1) Camera "E-E".
2) Focus chart (Attached on the last page of this manual).
3) Aim the camera at the focus chart placed 3 meters away and perpendicular to the center of the lens. The chart should be placed on the flat, gray or white wall.
4) Connect monitor TV jack to video output jack.
5) Press the "BLC(MODE UP)" and "FADE(MODE DOWN)" button, so that the OSD start is "0DE. 3M LENS XX XX".
6) Press "ENTER(CONFIRM)" button.
The camera will move both zoom and focus lens.
The adjustment is finished when the O.K! message appears on the TV screen.
Store the data to mode 099, 09A, 0AA, 0AB, 0AD, 0C9, 0CA, 0CB and 0CC.



2. Zoom VR Center

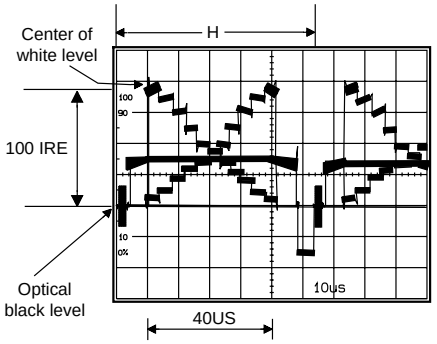
1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video(output) jack.
4) Press the “BLC (MODE UP) / FADE(MODE DOWN)” button so that the OSD state is “OD6. XX XX”.
5) Press “ENTER(CONFIRM)” button.
6) Then, the microprocessor will work ;
   - Find the Zoom VR Center position
   - Store the data to mode 0B7.

3. Auto hall

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video(output) jack.
4) Press the “BLC(MODE UP) / FADE(MODE DOWN)” button so that the OSD state is “OCD. XX XX”.
5) Press “ENTER(CONFIRM)” button.
6) Then, the microprocessor will work ;
   - IRIS open, HALL maximum value found,
   - IRIS closed, HALL minimum value found,
   - IRIS open, HALL maximum value found,
   - Store the data to mode 00A and mode 00B.
   - Store the HALL min. / max. data to mode 0C1 and mode 0C2.

4. AUTO IRIS

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “OCE. XX XX”.
5) Press “ENTER(CONFIRM)” Button.
6) Then, the micro process will work;
   - IRIS open, IRIS control minimum Value found.
   - IRIS close, IRIS control minimum Value found.
   - Store the data to mode 0B5, 0B6, 0C7 and 0C8.
7) The OSD shows “O.K”.

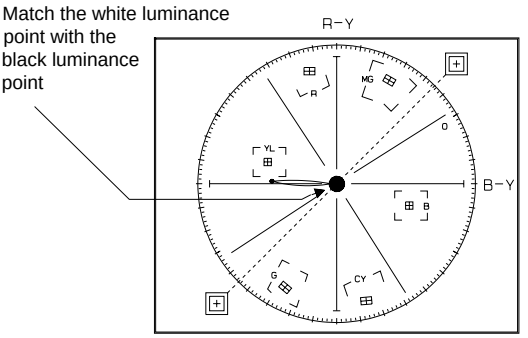


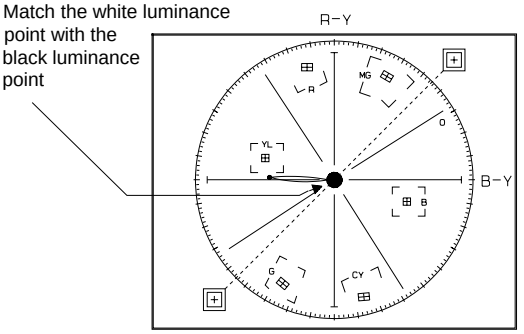
5. Auto white balance

1) Camera “E-E”, 3100°K/5100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
4) Connect vectorscope input jack to video(output) jack.
3) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “OCF. XX XX”.

a. W/B Indoor
a-1. Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx. (40us)
a-2. Press “ENTER(CONFIRM)” button so that the white vector moves to the center on screen of the vectorscope.
a-3. Store the data to mode 0A6, 0A7, 0A8, 0A9
a-4. The OSD shows “OK!”.

b. W/B Outdoor
b-1. Aim the camera at a 5100°K gray-scale (3100°K+CCB12) chart illuminated at 1500 to 2000 lx. (40us)
b-2. Press “ENTER(CONFIRM)” button so that the white vector moves to the center on screen of the vectorscope.
b-3. Store the data to mode 0A2, 0A3, 0A4 and 0A5.
b-4. The OSD shows “OK!”.





6. Pre white balance (I) ; (R-Y)

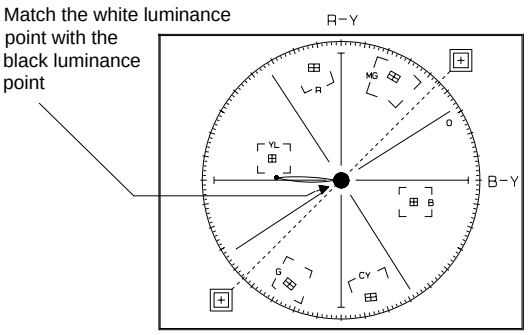
1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
3) Connect vectorscope input jack to video(output) jack.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that pass through 272, 273, 274, 275 and then the OSD state is “272. XX XX(High)””273. XX XX(Low)”.
5) Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx.
6) Adjust the “ P.AE(DATA UP)/DSE(DATA DOWN)” button so that the white vector moves to the R-Y axial on screen of the vectorscope.

Note : Bright dot shifts after the confirm button is pressed.

7. Pre white balance (II) ; (B-Y)

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and AF MICOM.
4) Connect vectorscope input jack to video(output) jack.
3) Press the “BLC (MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “274. XX XX(High)””275. XX XX(Low)”.
5) Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP) /DSE(DATA DOWN)” button so that the white vector moves to the B-Y axial on screen of the vectorscope.

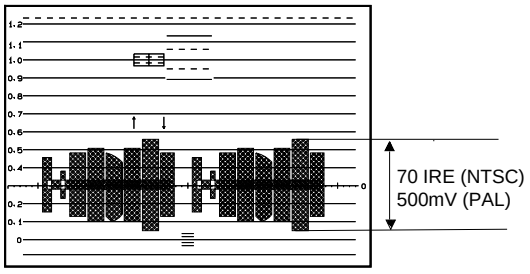
Note : Bright dot shifts after the confirm button is pressed.



8. R-Y Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “280. XX XX(High)””281. XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP)/DSE(DATA DOWN)” button so that the red level is NTSC : 70IRE, PAL : 500mV
7) Be sure to press the “ENTER(CONFIRM)” button to memorize setting.

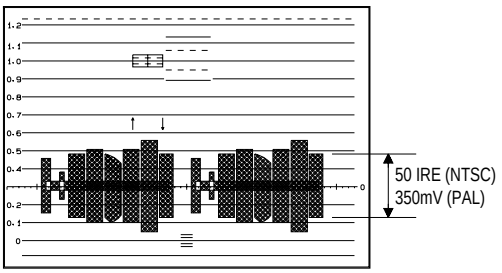
Note : Bright dot shifts after the confirm button is pressed. (outdoor : 034, 035)



9. B-Y Gain

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “283. XX XX(High)””284. XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP)/DSE(DATA DOWN)” button so that the blue level is NTSC : 50IRE, PAL : 350mV
7) Be sure to press the “ENTER(CONFIRM)” button to memorize setting.

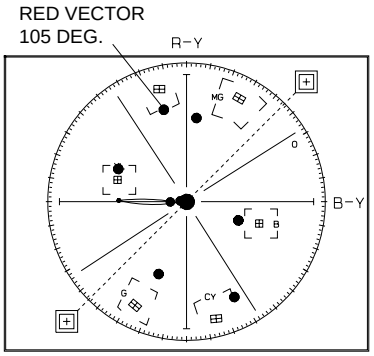
Note : Bright dot shifts after the confirm button is pressed.
(outdoor : 036, 037)



10. R-Mg Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “284. XX XX(High)””285. XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP)/ DSE(DATA DOWN)” button so that theRed vector is 105.
7) Be sure to press the “ENTER (CONFIRM)” button to memorize setting.

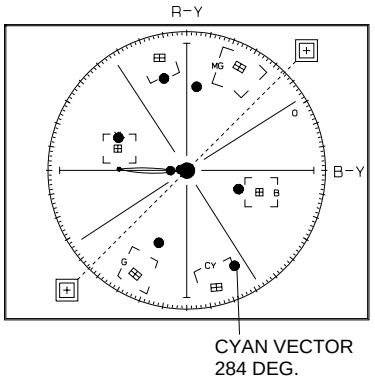
Note : Bright dot shifts after the confirm button is pressed.
(outdoor : 038, 039)



11. G-Cy Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “286. XX XX(High)””287. XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP)/ DSE(DATA DOWN)” button so that the Cyan vector is 284.
7) Be sure to press the “ENTER (CONFIRM)” button to memorize setting.

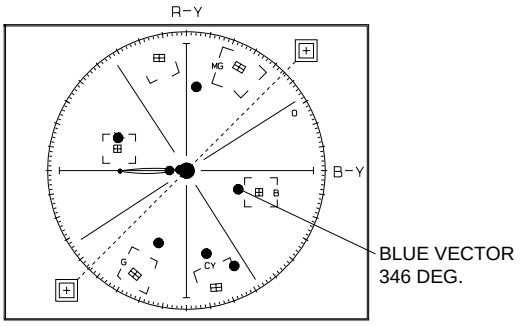
Note : Bright dot shifts after the confirm button is pressed.
(outdoor : 03A, 03B)



12. B-Cy-Mg Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “288. XX XX(High)””289. XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE (DATA UP)/ DSE(DATA DOWN)” button so that the Blue vector is 346.
7) Be sure to press the “ENTER (CONFIRM)” button to memorize setting.

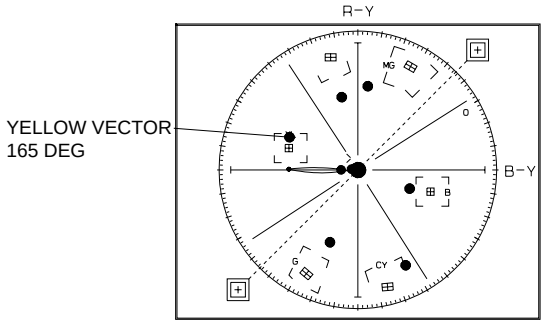
Note : Bright dot shifts after the confirm button is pressed.
(outdoor : 03C, 03D)



13. Ye-G Hue

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video(output) jack to vectorscope input jack and monitor TV jack respectively.
4) Press the “BLC(MODE UP)/FADE(MODE DOWN)” button so that the OSD state is “28A.XX XX(High)””28B.XX XX(Low)”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lx.
6) Adjust the “P.AE(DATA UP) /DSE(DATA DOWN)” button so that the Yellow vector is 165.
7) Be sure to press the “ENTER(CONFIRM)” button to memorize setting.

Note : Bright dot shifts after the confirm button is pressed.
(outdoor : 03E, 03F)



Note : Outdoor(5100°K) color Gain & Hue adjust.
- 5100°K color bar (or 3100°K color bar with CCB12 Filter)
- Restart step 7. prewhite balance(I) ~ step 14. Ye-G Hue.
- The outdoor(5100°K) mode in 034~03F.

4-2-3 LCD Adjustment (NTSC)

Notes :

1. After each adjustment step is completed, OSD shows “OK”.
2. EEPROM stores confirmed adjustment value of each adjustment step.
3. After finishing the adjustment, reset the main power source to memorize the adjustment data in EEP-ROM.
4. Camcorder set is used as a LCD adjust tool.

4-2-3 (a) PREPARATION

1. How to get into the LCD adjustment mode.

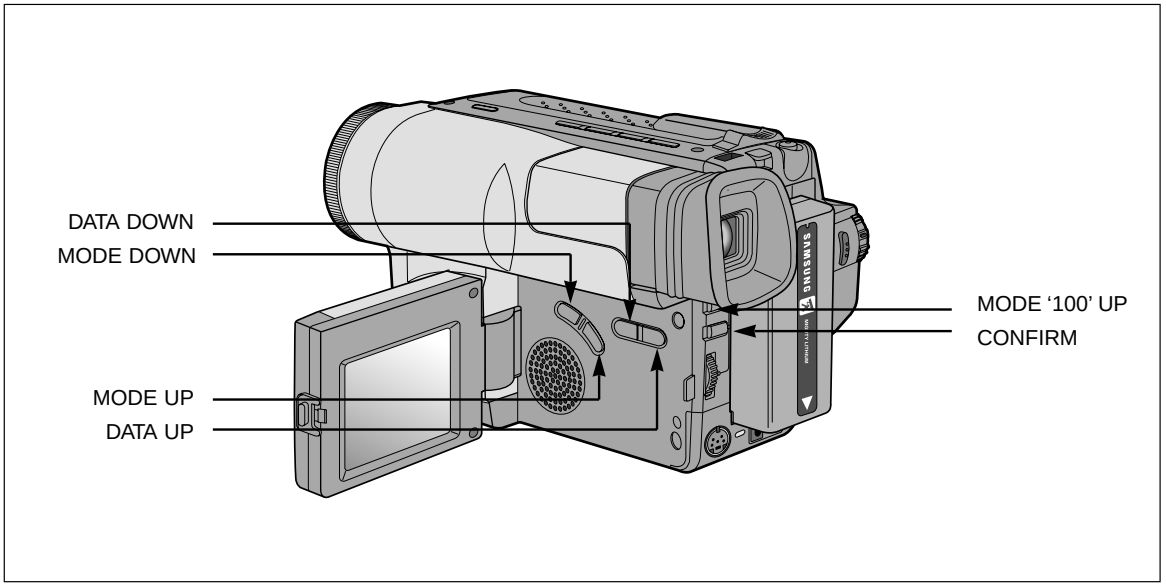
STEP1

1. Connect the power source (battery / DC cable).
2. Set the mode switch of the camcorder to “CAMERA MODE” position.
3. Set OSD on state.
4. Press and hold the “TAPE EJECT” button and “DATE / TIME” button on the cam-corder at the same time for more than 5 seconds.
   Then unit goes into service mode.

STEP2

MONITOR OSD shows “ODF XX XX”. Then LCD adjustment mode has been activated successfully and press MODE ‘100’ up button 6times, OSD shows “5F7” and then go back-word to “5E8”

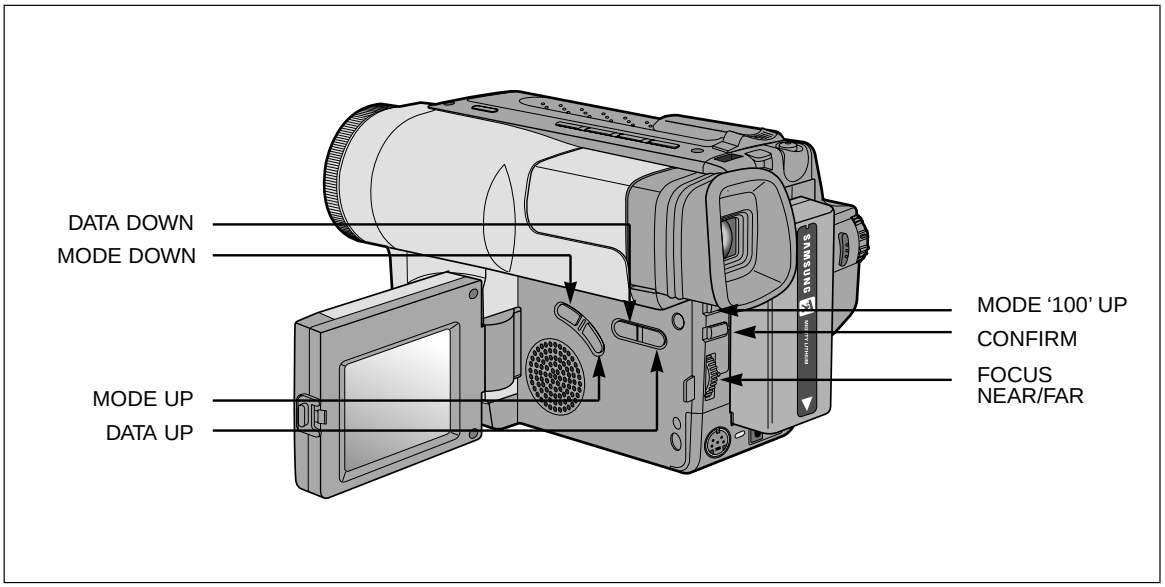
5E8
EPR : XX EVR : XX



Note : When XX XX is shown in service adjustment procedures, this indicates variable values.

2. The following chart shows the function of each button. In service adjustment mode, button names are different from those in customer camera function control mode. EX)DISPLAY button is the same as confirm.

Button	Function
BLC	When change the adjustment mode.
FADE	When change the adjustment mode.
P.AE DSE	When change data value of adjust state.
ENTER	Data store after finishing adjustment by “DATA UP/DATA DOWN” button



The following table shows the data of each address that you must adjust.

ADDRESS	DATA	MEAN	REMARK	ADJUSTMENT RANGE
5E8	2E	CONTRAST	DEFAULT	00~35
5E9	15	BRIGHT R	DEFAULT	00~35
5EA	15	BRIGHT G	DEFAULT	00~35
5EB	1A	BRIGHT B	DEFAULT	00~35

4-2-3 (b) ADJUSTMENT

Please, aim at colorbar chart or colorful object.

1. Contrast

1) Adjust ADDRESS that a data of 5E8 is equal to 2E(default). If you want, you can adjust other data in range “00~35”
2) Adjust ADDRESS that a data of 5E9 is equal to 15(default). If you want, you can adjust other data in range “00~35” (Adjustment of 5EA, 5EB is in the same way.)
3) Adjust ADDRESS that a data of 5EA is equal to 15(default).
4) Adjust ADDRESS that a data of 5EB is equal to 1A(default).

4-2-4 LCD Adjustment (PAL)

Notes :

1. After each adjustment step is completed, OSD shows “OK”.
2. EEPROM stores confirmed adjustment value of each adjustment step.
3. After finishing the adjustment, reset the main power source to memorize the adjustment data in EEP-ROM.
4. Camcorder set is used as a LCD adjust tool.

4-2-4 (a) PREPARATION

1. How to get into the LCD adjustment mode.

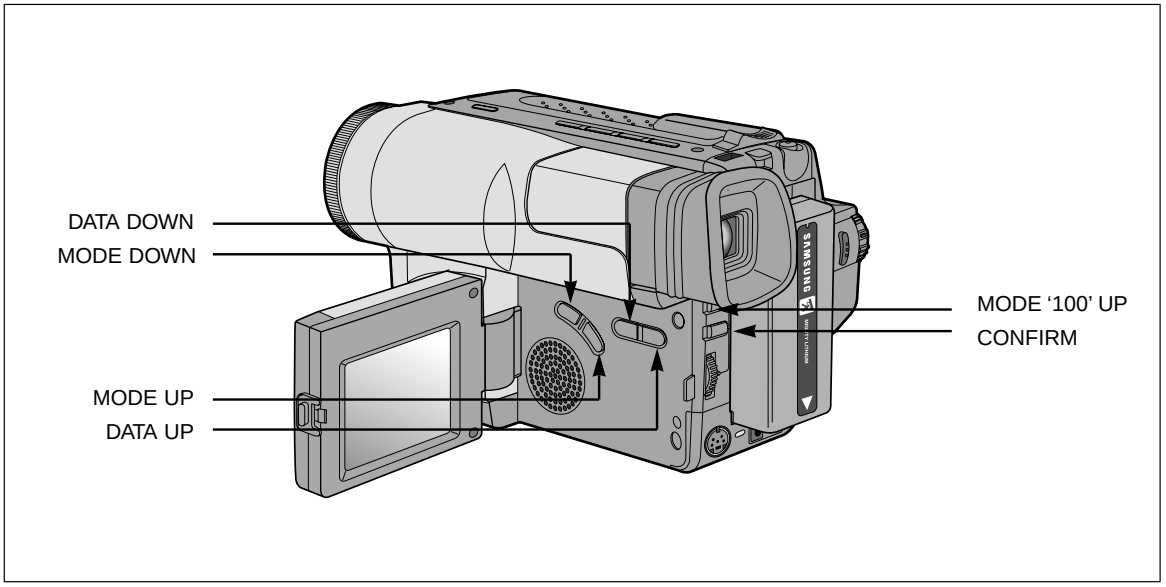
STEP1

1. Connect the power source (battery / DC cable).
2. Set the mode switch of the camcorder to “CAMERA MODE” position.
3. Set OSD on state.
4. Press and hold the “TAPE EJECT” button and “DATE / TIME” button on the cam-corder at the same time for more than 5 seconds.
   Then unit goes into service mode.

STEP2

MONITOR OSD shows “ODF XX XX”. Then LCD adjustment mode has been activated successfully and press MODE ‘100’ up button 6times, OSD shows “5F7” and then go back-word to “5AF”

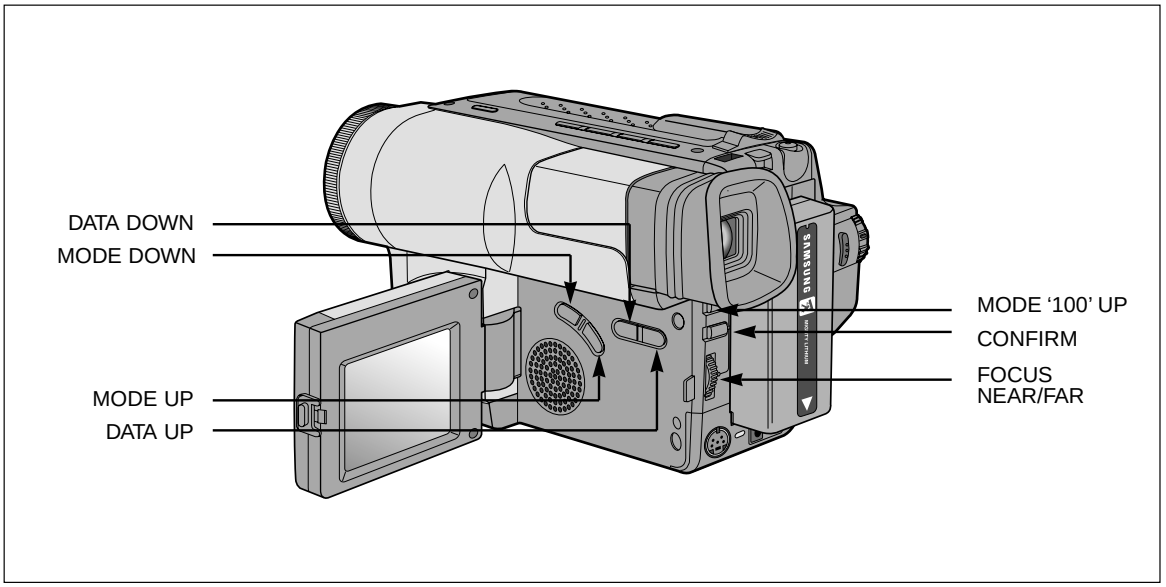
5AF
EPR : XX EVR : XX



Note : When XX XX is shown in service adjustment procedures, this indicates variable values.

2. The following chart shows the function of each button. In service adjustment mode, button names are different from those in customer camera function control mode. EX)DISPLAY button is the same as confirm.

Button	Function
BLC	When change the adjustment mode.
FADE	When change the adjustment mode.
P.AE DSE	When change data value of adjust state.
ENTER	Data store after finishing adjustment by “DATA UP/DATA DOWN” button



The following table shows the data of each address that you must adjust.

ADDRESS	DATA	MEAN	REMARK	ADJUSTMENT RANGE
5AF	2E	CONTRAST	DEFAULT	00~35
5B0	00	BRIGHT R	DEFAULT	00~35
5B1	00	BRIGHT G	DEFAULT	00~35
5B2	00	BRIGHT B	DEFAULT	00~35

4-2-3 (b) ADJUSTMENT

Please, aim at colorbar chart or colorful object.

1. Contrast

1) Adjust ADDRESS that a data of 5AF is equal to 2E(default). If you want, you can adjust other data in range “00~35”
2) Adjust ADDRESS that a data of 5B0 is equal to 00(default). If you want, you can adjust other data in range “00~35” (Adjustment of 5B1, 5B2 is in the same way.)
3) Adjust ADDRESS that a data of 5B1 is equal to 00(default).
4) Adjust ADDRESS that a data of 5B2 is equal to 00(default).

4-2-5 EVF Adjustment

4-2-5 (a) PREPARATION

1. How to get into the EVF adjust mode.

STEP1

1. Connect the power source (battery / DC cable).
2. Set the mode switch of the camcorder to "CAMERA" position.
3. Disassemble EVF and use oscilloscope to measure waveform of TP-V.

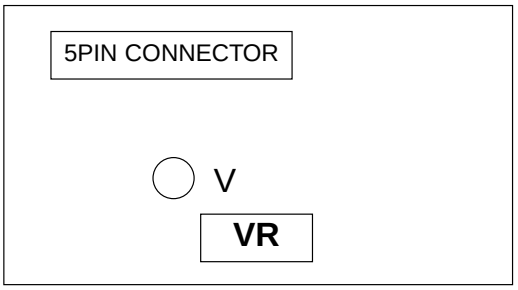
STEP2

View color bar. (If you have not color bar., you can view white picture)

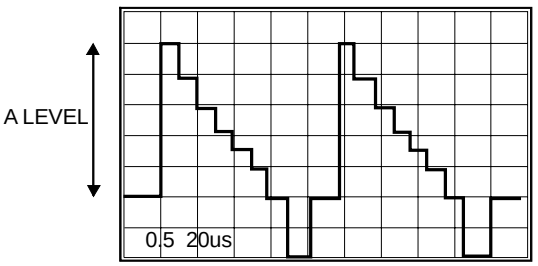
(b) ADJUSTMENT

1. Video gain adjustment

1) Connect TP-V on PCB to PROBE.
2) Adjust VRE02 and check that A level is 2.5Vp-p. if not, adjust A level to be 2.5Vp-p.



<Position of TP-V on EVF PCB>



<TP-V Wave form>

Notes : When XX XX is shown in service adjustment procedures, this indicates variable values.

4-3 VCR Section Adjustment

4-3-1 Preparations

1. Equipment :

1) Monitor TV.
2) Dual trace oscilloscope of over 20MHz band, incorporates delay mode.
   (Use 10 : 1 probe unless otherwise specified.)
3) Frequency counter
4) DC power supply.
5) Alignment tape (Colour bar : SP)
6) 8mm Video Tape for record.

2. Composition of VCR P.C.Boards

1) Main PCB (system control/servo, video, audio, camera)
2) Rear PCB
3) Battery-Terminal PCB
4) Front PCB

3. How to get into service "**ADJUST**" mode.

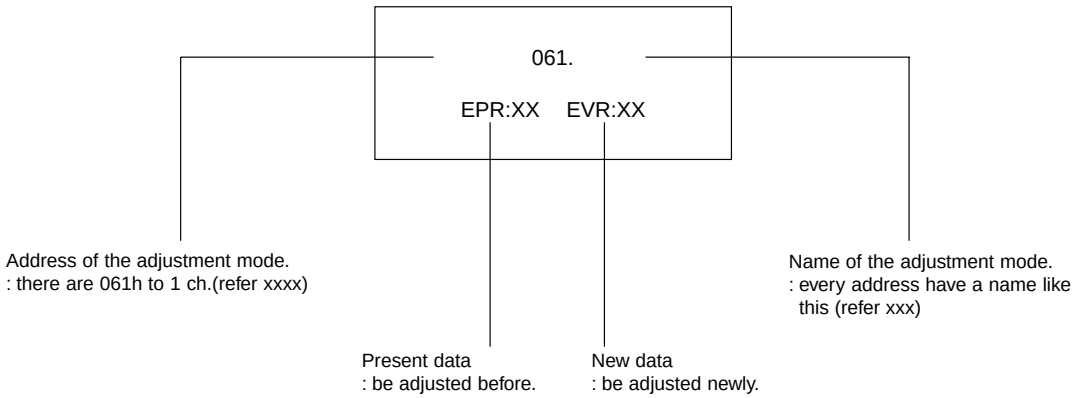
STEP 1

1. Connect the power source (battery/DC cable).
2. Set the program selector of the camcorder to PLAYER position.
3. Press the eject key to eject mode.

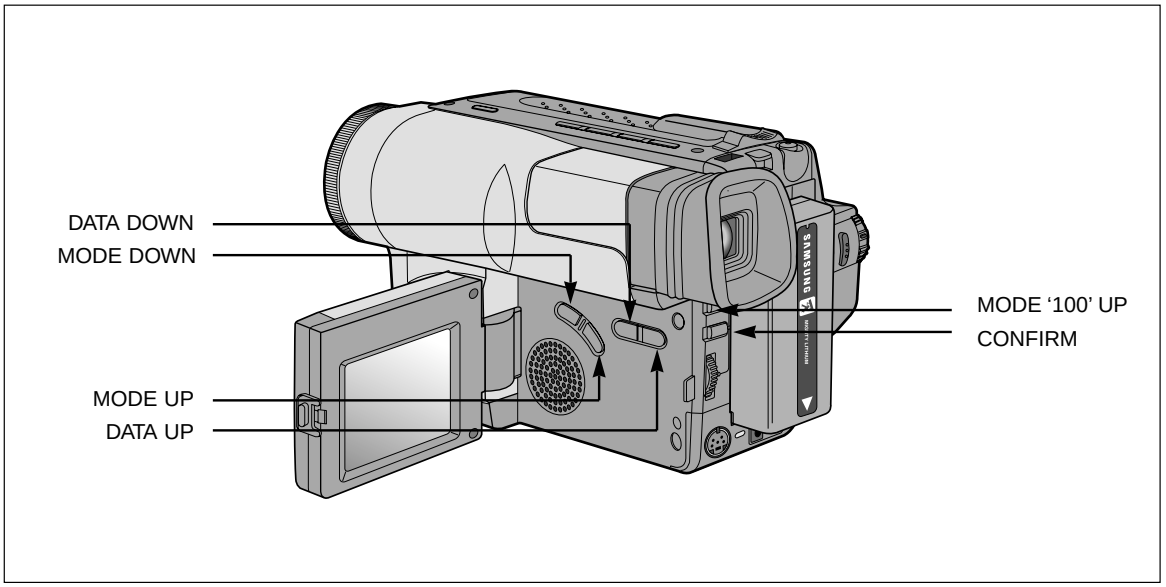
STEP 2

1. Press and hold "STOP" and "EJECT" button on the Camcorder at the same time for more than 5 seconds.
2. If the adjustment mode displayed like the figure below, VCR adjustment mode has been successfully activated.
3. Insert tape into housing ass'y and then perform the adjustments.

TV or EVF/CVF monitor


061.
EPR:XX EVR:XX
Address of the adjustment mode.
: there are 061h to 1 ch.(refer xxxx)
Name of the adjustment mode.
: every address have a name like this (refer xxx)
Present data
: be adjusted before.
New data
: be adjusted newly.

4. The location of function button.



Note : In service adjustment mode, button names are different from those in customer function control mode.
EX) "ENTER" button is the same as "CONFIRM".

5. If you want to finish the adjustment mode, you have to do "Battery Reset".
The "Battery Reset" means that you pull out the power source and pull in it again.
Then, the adjustment is ended and the camcorder works normally.

4-3-2 VCR Section

Note 1 : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal / alignment tape 2. Test point and ADJ. part 3. Result and Remarks	

ADJ. point →
Test point ⇢

Note 2 : How to connect video out signal.

-Connect the video cable to ass'y A / V Jack.

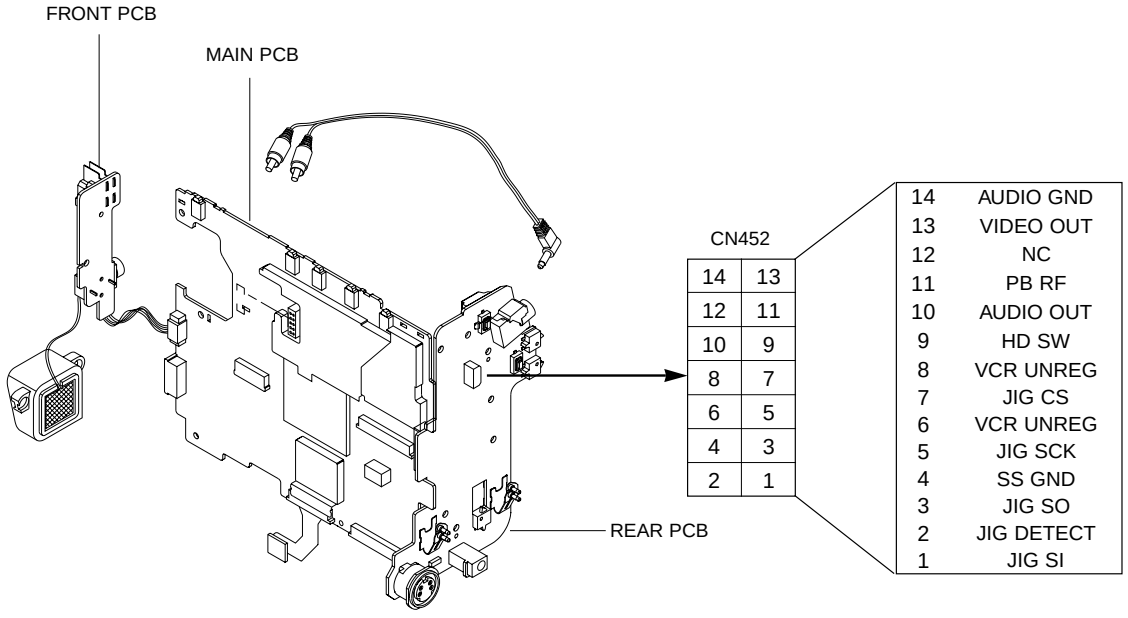


Fig. 1 Video Signal Connection

4-3-3 Adjustment

1. Kinds of adjustment in PLAY mode.

ADDRESS	NAME	NORMAL MODEL		HI 8 MODEL	
		NTSC	PAL	NTSC	PAL
061	HD SWP	Adjustment			
062	32. 768 KHZ CLOCK	1C			
063	MODEL CODE	Model code setting			
064	D.ZOOM SIZE	88, 99 (for the VP-L750D)			
065	TBC DEFAULT	05	01	05	01

2. Adjustment

* Please keep the order according to explanation.

2-1. Setting of the model code0

a. Preparation

TAPE	NONE
EQUIPMENT	POWER SOURCE
OTHER	NONE
TEST POINT	NONE
ADDRESS	063
NAME	MODEL CODE0

b. Connect a power source.

c. Get into the VCR adjustment mode.

d. Press the “BLC(MODE UP)” or “FADE(MODE DOWN)” button of Camcorder so as to select the address 063.

e. Press the “DSE(DATA DOWN)/P.AE(DATA UP)” so that OSD shows“ ”ERR:XX EVR: XX” “XX” is different dependent on the model as below.

	MODEL NAME	ADDRESSED CODE
NTSC	SCL700	80
	SCL710	81
	SCL750	85
	SCL770	87
PAL	VP-L700	80
	VP-L700U	8A
	VP-L710	81
	VP-L750	85
	VP-L750D	86
	VP-L770	87

f. Be sure to press the “ENTER(CONFIRM)” button on Camcorder to memorize setting.

g. Reset the power source so as to fix the new data to the Camcorder’s EEPROM.

2-2. Head Switching Point

: This adjustment is performed after the replacement of deck mechanism.

• Without this adjustment, there will be a noise in playback picture.

a. Preparations

TAPE	STANDARD COLOR BAR TAPE RECORDED WITH SP SPEED *NTSC
EQUIPMENT	POWER SOURCE
OTHER	NONE
TEST POINT	NONE
ADDRESS	061
NAME	HD SWP

b. Connect a power source.

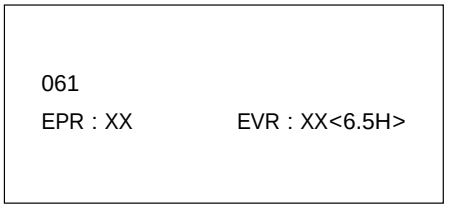
c. Get into the VCR adjustment mode.

d. Press the “BLC(MODE UP)” or “FADE(MODE DOWN)” button of Camcorder so as to select the address 061.

e. Insert the Standard Color Bar Tape and press the “PLAY” button.

Note : If there is no video out, when you pressed the “PLAY” button, you can not adjust the Head Switching Point.
It may be caused by maladjusted VIDEO block.
In this case, adjust the VIDEO block before the Head Switching Point.

f. The data of Head Switch is set to 6.5H(NTSC) / 7.0H(PAL) automatically.



g. Be sure to press the “ENTER(CONFIRM)” button on Camcorder to memorize setting.
h. Reset the power source so as to fix the new data to the Camcorder’s EEPROM.